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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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THE PATENT OFFICE

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Calcutta, the 15th February, 1997

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Telegraphic address "PATENTS"

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पेटेंट कार्यालय

एजेंसी तथा अभिकल्प

कलकत्ता, दिनांक 15 फरवरी 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसकी शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, सोअर परेल (प.),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटोफिस"

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका आफिस भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.
तार पता :

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.
तार

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय एवं तृतीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटम"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

ALTERATION OF DATE

177671 Filed on 17th Apr 1989.
(344/Del/89) Ante dated to 10th July 1986.

177672 Filed on 2 Mar. 1987.
(178/Del/87) Ante-dated to 25 Sept. 1984.

177713 Filed on 18-9-89.
(835/De1/89) Ante-dated to 25-11-96.

177714 Filed on 16-11-89.
(1065/Del/89) Ante-dated to 23-1-87.

177729 Filed on 8-8-91.
(735/Del/91) Ante-dated to 4-1-91.

177762 Filed on 22-3-90.
(281/Del/90) Ante-dated to 11-6-87.

177763 Filed on 23-3-90,
(298/Del/90) Ante-dated to 16-4-87.

APPLICATION FOR PATENT FILED AT THE OFFICE 234/4. ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crecent bracket are the dated claimed under section 135, of the Patent Act, 1970.

2240-1996

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1847/Cal/96. CIL International Limited, "Shop merchandising system".

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1849/Ma5/96. Polyol International BV. polymer Polyol and Preformed Stabilizer Systems.

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1852/Mas/96. ECC International Inc. Acid Resistant Carbonate Composition Containing Mixtures of Weak Acids And Uses Therefore (October 20th 1995; U.S.A.).

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1859/Mas/96. Spiro Koumandarakis. A Coin Storage Device.

1860/Mas/96. Sanyo Electric Co. Ltd. Method Bases for an Absorption Refrigerator. (October 24th 1995; Japan).

1961/Mas/96. Air Products and Chemicals Inc. Immersion Freezer with bottom chamber series of Cascading Conveyor Belts. (March 5th 1996; U S A).

24th October 1996

1S62/Mns/96. Solaig. An Integrated Circuit Article. (November 8th 1995; France).

1863/Mas/96. AI *Labs Inc. Application Program and Documentation Generator System and Method. (October 27th 1995: U.S.A.).

1864/Mas/96. BASF Aktiensesellschaft. Preparation of Polyemer Powders which are Redispersible In an Aqueous Medium. (October 28th 1995; Germany).

1865/Mas/96. Hoechst Aktiengesellschaft. Sulfonylamino-Substituled Benzoylguanidines. A Process for their preparation their use as Medicament or Diagnostic Aid, And Medicament Containing them (November 14th 1995; Germany).

1866/Mas/96. Akzo Nobel N.V. Internally Blocked Polyamine Crosslinkers and Coating Compositions containing the same.

1867/Mas/96. University of Strathclyde. Data Compression. (October 27th 1995; Britain).

1868/Mas/96. Palitex Project—Company GMBH. Twisting Spindle, Especially for a Two-For-One Twisting., Machine having a plurality of Twisting Spindles.

1869/Mas/96. Enichem S.P.A. Catalytic System for the (Co) Polymerization of Alpha-Clefine. (October 27th 1995; Italy).

1870/Mas/96. U.P.S. Limited. Improvements in and relating to surfacing blocks. (October 25th 1995; U.K.).

25th October 1996

1871/Mas/96. The Fertilisers and Chemicals Travancore Limited. Process for the preparation of a cleaning Composition for Utensils and the like, from Industrial Waste/Byproducts.

1872/Mas/96. Texas Instruments India Limited. Embedded display list Interpreter with Distribution of Rendering Tasks, for Multiprocessor-Based Printer.

1873/Mas/96. Texas Instruments India Limited. Pattern: filling for processor-based Printer.

1874/Mas/96. Maschinenfabrik Rieter AG. A Guide surface for a Lap. (November 24th 1995; Switzerland).

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1878/Mas/96. Societe Des Produits Nestle SA. Shaped Chocolate in Confectionery. (October 31st 1995; G.B.).

1879/Mas/96. Advanced Extraction Technologies Inc. Process and Retrofit Unit for Upgrading a natural Gas Plant. (October 27th 1995; U.S.A. and August 30th 1996; U.S.A.).

1880/Mas/96. Leslie Ronald Wilson. Improvement in or relating to a Shielding device. (October 27th 1995; British).

1881/Mas/96. The Dow Chemical Company. Substituted Indenyl Containing Metal Complexes and Olefin Polymerization. (October 27th 1995; US).

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1883/Mas/96. The Dow Chemical Company Supportable Biscyclopentadienyl Metal Complexes. (October 27th 1995; United States).

1884/Mas/96. NEC Corporation. Redio Selective-Calling Receiver having a predetermined message display function and the Message Copying Method. (October 27th 1995; Japanese).

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28th October 1996

1886/Mas/96. Project Director, International advanced Research Centre for Metallurgy and new materials Preparation of reaction bonded silicon carbide.

1887/Mas/96. AKZO Nobel N.V. Process for Dioarboxylating Dihydric Phenols.

1888/Mas/96. Daewoo Electronics Co. Ltd Dynamic Pressure bearing apparatus and Head Drum Assembly of a Video Cassette Recorder Utilizing the same. (October 28th 1995; Korea).

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1890/Mas/96. Nobil Oil Corporation. Large Crystal ZSM—5, Its Synthesis and use.

1891/Mas/96. Kimberly Clark Corporation. Lofty Nonwoven Fabric. (November 13th 1995; U.S.A.).

1892/Mas/96. Kimberly Clark Corporation. Absorbent Article having a Cellulosic Transfer Lawer. (October 1st 1996; U.S.A.).

1893/Mas/96. Novo Nordisk A/S. Animal Feed Additives. (November 6tb 1995; Denmark).

1894/Mas/96. Akzo Nobel N.V. Thrombin Inhibitors.

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29th October 1996

1896/Mas/96. Kid Parry (India) Limited. Phytotoxic Inhibiting Insecticide Composition.

1897/Mas/96. Kiwi T T K Limited, An Applicator.

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1899/Ma/s96. Textilma AG. Knifing Machine. Specially Warp Knitting Machine,

1900/Mas/96. AKZO Bobel N.V. Isomerisation of Equilin.

1901/Mas/96. Union Carbide Chemicals and Palstic Technology Corporation. A process for preparing an in Situ Polyethylene Blend.

1902/Mas/96. Societe Des Produits Nestle SA. Chocolate Forming. (October 10th 1995; Grear Britain and August 23rd 1996; Great Britain).

1903/Mas/90.MalavikaVinodKumarandK.Ramu.A process for preparing stable microencapsulated iodine Compounds.

1904/Mas/96. Malavika Vinod Kumar and R. Ramu. A process for preparing fortified common salt.

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30th October 1996

1906/Mas/96. Kazi Mehboob Badsha. Planet Engine.

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1910/Mas/96. NEC Corporation. Wireless Selective Calling Receiver. (October 30th 1955; Japan).

1911/Mas/96. David G. Stenning. Ship Based System for Compressed Natural Gas Transport. (October 30th 1995; U.S.A.).

1912/Mas/96. Ciba—Geigy AG. Purine Derivation and process for their preparation, (November 1st 1995; Switzerland).

1913/Mas/96 Mitsui Petrochemical Industries Ltd. Method of Producing inflation Film. Apparatus therefor and molded articles thereof. (November 1st 1995; Japan).

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1917/Mas/96. Kuraray Co. Ltd. Process for Producing all Trans-Fortm Polyprenols. (October 31st 1995; Japan November 29th 1995; Japan and November 29th 1995; Japan).

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1918/Mas/96. Asea Brown Boveri AG. Method for Producing a Power Semiconductor Module. (November 13th 1995; U.S.A.).

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1924/Mas/96. International Business Machine Corporation. Stock Protected High Stake Density Suspension System. (December 1st 1995; U.S.A.).

1925/Mas/96. YKK Corpoartion. Molded Surface Fastener, and method and apparatus for manufacturing the same. June 6th 1996; Japan).

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1927/Mas/96. Henkel Corporation. Fineyl Crystallizing and/or Fast Phosphate Conversion Coating Composition and Process. (November 7th 1995; U.S.A.).

1st November 1996

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1929/Mas/96. T. Bhoomaiah Chary. —1 T.V. Programme.

1930/Mas/96. Malladi Project Management Centre Pvt. Ltd. A process and apparatus for treatment of an effluent.

1931/Mas/96. India Precision Bearing Manufactures Ltd. Cot and Arbor Assembly for Textile Machinery.

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1935/Mas/96. Kimberly/Clark Corporation. Creped Nonwoven Laminate Loop Fastening Material for Mechanical Fastening Systems. November 29th 1995; U.S.A.).

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4th November 1996

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1941/Mas/96. M. Andiappan. Method of setting the heat engine power by "Water Engine" with open eternal combustion and closed internal expansion by water injection in a reciprocating/rotary (flexible vane) Engine containing hot comperssed gas in closed cylinder.

1942 /Mas/96. M. Andiappan. Manufacture of hallow nosed craft fo rleve flight vertical ducting for VTOI pusher propeller/jet to harness skin energy in 1/2/3 teir tapered body with multirudder, multielevator louver short wing for multi combination Space, Air. Hover, Land, Loco (car) water crafts.

1943/Mas/96. M. Adiappan. Manufacture of full circle modular tyre in 2/2 to 7/10 parts/pieces (Method) with full circle procured steel/Fibre reinforced tread rubber as one of the throw away parts in all sizes.

1944/Mas/96. Babu Prem Kumar. Ceiling fastener for ceiling fans, chandeliers.

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8th November, 1996

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8-8-1996

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COMPLETE SPECIFICATION ACCEPTED

Notice in hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any can be supplied by the patent office. Calcutta or the appropriate Branch Office On payment of the prescribed copying charges which may be as ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिम अवधि अर्थात् जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में उसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दलवना, उक्त सूचना के साथ अथवा पेटेंट नियम, 197[illegible] के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित निष्पादन प्रभार जिसे उक्त कार्यालय में पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का निष्पादन प्रभार 2/- रु. है) फोटो निष्पादन प्रभार का परिकलन किया जा सकता है।

Int. Cl. : 53 A. 177631

Int. Cl.[4] : E 62 J, 1/00, R 60 N, 1/00.

"IMPROVED SEAT FOR TWO WHEELER MOTOR VEHICLES".

Applicant : BAJAJ AUTO LTD, OF AKURI, PUNE-411 035, MAHARASHTRA, INDIA.

Inventors : (1) GAURT PRAKASH AGARWAL

(2) CHARUDATTA YESHWANT DESHPANDE.

Application for Patent No. 661/Cal/90 filed on 3rd August, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972). Patent Office, Calcutta.

Claims 6

A seal for two wheeler motor vehicles comprising a tillable bracket secured to the sent base, at least one bracket

extending from and secured to the chasis of the vehicle said titable bracket and said at least one bracket secured to the chasis of the vehicle being hinged at a point to effect a partial till of the said tiltable bracket alongwith the seat base around the hinge with respect to the chasis of the vehicle. said brackets having matching slots for a stopper pin to be releasable fitted on to said matching slots in the normal seating position of the seat the rear of said seat base being provided with rubber pads as shock absorbers.

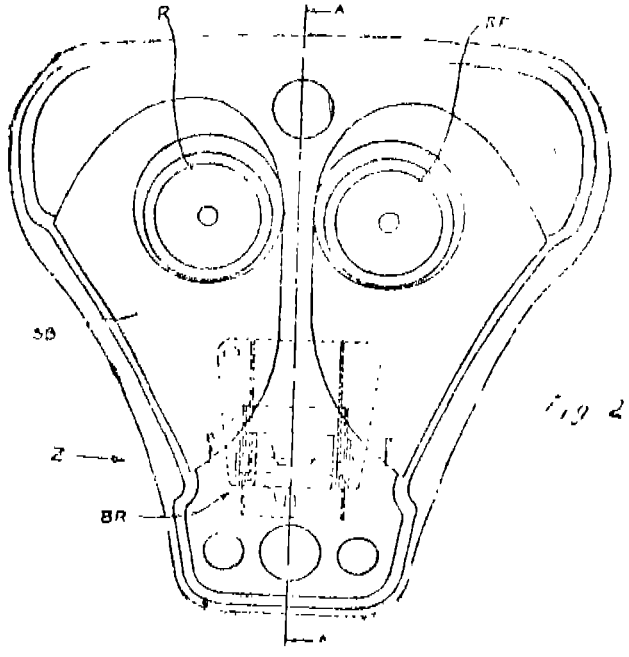
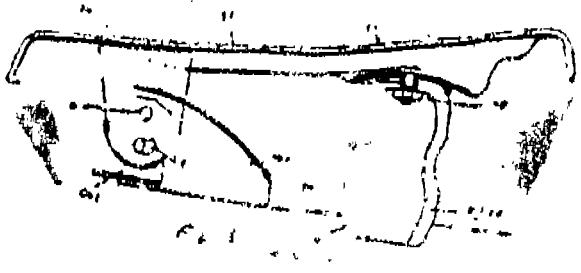


Fig 2



(Compl. Specn. 10 pages; Drgns. 3 Sheets).

Ind. Cl. : 186 E. 177632

Int. Cl.[4] : H 04 N 5/91.

"AN APPARATUS FOR PREVENTING UNAUTHORIZED COPING OF VIDEO SIGNALS ON TAPE".

Applicant : COPYGUARD ENTERPRISES S.A., OF 672, RUE DE NEUDORF, LUXEMBOURG.

Inventor: ARIE MARINUS WIJNEN.

Application for Patent No. 291/Cal/1991 filed on 15th Apr., 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1971), Patent Office, Calcutta.

Claims 5

An apparatus for preventing unauthorised copying of video signals on tape, which comprises means for modifying the video signals for causing disturbances to the tape recording apparatus in the course of recording said signals, which signals are constituted by image point signals grouped according to image lines and preceded, in each line, by a line synchronzation pulse and a colour synchronization signal the plurality of lines being combined to a frame preceded by a frame synchronization pulse, the image point signals being situated at one side, and the synchronization pules at the other side of a zero level, characterised in that said means is provided with circuits such as herein described for adding additional pulses resembling line synchronisation pulses having a deviating shape or situated in deviating points of a frame.

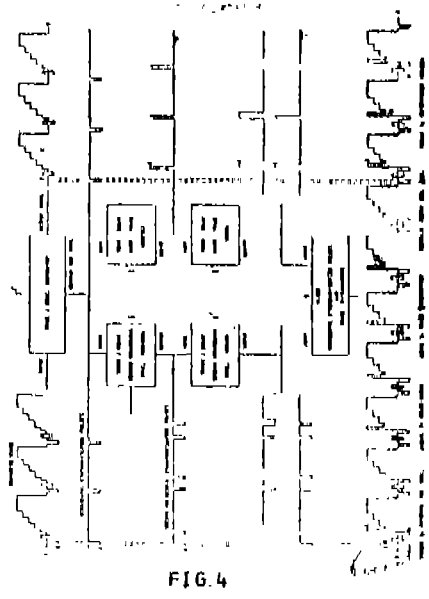


FIG.4

(Compl Specn. 9 pages; Drgns, 3 Sheets).

Ind. Cl. : 116 C. 177633

Int. Cl. [4] :B 65 G 43/06.

"AN AUTOMATIC SYSTEM FOR HOLDING/PARKING OF CONVEYOR BELTS".

Applicant : BASUBANDHU BANERJI, C/o FOCOSS INDIA CORPORATION. 38, LAKE TEMPI F. ROAD, CALCUTTA-700 029, WEST BENGAL, INDIA.

Inventor : BASUBANDHU BANERJI.

Application for Patent No. 182/Cal/1992 filed on 20th March, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1971), Patent Office. Calcutta.

Claims 20

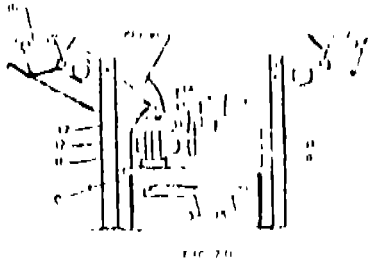
An automatic system for holding/parking a conveyor belt during its non-operative condition and /or when the conveyor belt is rendered defective resulting in reduction/increase in its speed beyond the normal speed of operation to thereby improve upon the performance and safety requirements of operation of a conveyor belt comprising :

at least one sensor assembly for sensing the conveyor belt motion/condition;

a central panel operatively connected to said sensor assembly;

a plurality of catcher/holding unit position in space apart relation with respect to one another along the length of the conveyor belt, each said catcher/holding unit having at least one catcher means to hold said conveyor belt as and when required and operatively connected to said central panel which is responsive to the sensed conveyor belt motions/conditions from said sensor assembly to thereby operate said catcher means to open and release the conveyor belt

gripping as and when required depending upon the sensed condition of said conveyor belt motions/conditions.



(Compl, Specn. 17 pages; Drgns. 7 sheets).

Ind. Cl. : 145 (E-2). 177634

Int. Cl.[4] : D 21 B 1/02.

"METHOD OF AND APPARATUS FOR PRODUCING CELLUTLOSIC PAPER PULP."

Applicant & Inventor : PUNYA BRATA CHOUDHURI OF PROCESS IMPROVEMENT SYSTEMS PBC, A, B., PLANK G. 26, 60219 NORRKOPING, SWEDEN,

Application for Patent No 233/Cal/1992 filed on 6th April, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules. 1972) Patent Office, Calcutta.

Claims 14

A process for the manufacture of cellulosic paper pulp from low density raw materials with relatively low lignin content such as straw, bagasse, jute sticks, kenaf and like annual plants such as herein described, comprising feeding the raw materials at lower end of a reactor wherein the material is travensed upwards in counter/current to the reacting alkaline liquor fed from the upper end, said alkaline liquor being fed at a temperature of 130 to 160 degree centigrade, treated material being screw pressed and mixed with aqueous magnesium salt such as magnesium sulphate or magnesium carbonate, shredded to open its structure and make it fluffy, treating the so fluffed material with oxygen containing gases in an oxygen reactor at a high temperature e.g. 95 degree centigrade, mixing the oxygenated material with hot water, e.g. at a temperature of 60—80 degree centigrade to obtain a suspension such as herein described, which is then blown to vent the gases therefrom, and, if and when desired pressing it to a dryness of 20 to 35%, e.g. in a screw press.

(Compl. Specn. 14 pages; Drgns. 3 sheets),

Ind. Cl. : 206 E. 177635

Ind. Cl.[4] : H 04 N 5/10.

"HORIZONTAL LINE COUNTER STABILIZATION IN A. VIDEO RECEIVER".

Applicant : THOMSON CONSUMER ELECTRONICS, INC., OF 600 NORTH SHERMAN DRIVE. INDIANAPOLIS, INDIANA 46201, UNITED STATES OF AMERICA.

Inventor : JURI (NMN) TULTS,

Application for Patent No. 429/Cal/l992 filed on 17th June, 1992.

Convention No. 9114248 on 2-7-01, in Great Britain.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules. 1971), Patent Office, Calcutta.

Claims 7

Horizontal line counter stabilization in a video receiver for processing a video signal having vertical and horizontal display intervals, each of said vertical display intervals including a plurality of said horizontal display intervals, apparatus comprising :

means (115, 120) for producing a first signal (CNT 1) indicating a begining of each of said vertical display intervals, and a second signal (CNT2) indicating occurence of said horizontal display intervals, said first signal exhibiting a first timing relationship to said second signal which is subject to change;

means (110) coupled to said signal producing means for delaying said first signal to produce a delayed signal VERDEL) delayed with respect to said first signal by a variable delay interval determined by a control signal (DELIN) said delayed signal exhibiting a second timing relationship with respect to said second signal that is subject to change in response to said change in said first timing relationship;

means (100) coupled to said signal producing means and to said delaying means for counting in response to said delayed signal and to said second signal to produce a count of said horizontal display intervals occuring during each of said vertical intervals, said means for counting being subject to producing an incorrect count in response to said change in said second timing relationship; and

means (105) coupled to said signal producing means and to said delaying means for evaluating said second timing relationship and for generating said control signal to cause said second timing relationship to become a desired timing relationship, said desired timing relationship tending to prevent said counter from producing said incorrect coun.

(Compl Specn. 10 pages; Drgns. 3 sheets).

Ind. Cl. 93 177636

Int. Cl.[4] ; B 27 K 3/02.

"WOOD MEAL AND METHOD OF MANUFACTURING THE SAME".

Applicant : MISAWA HOMES CO. LTD. OF 4-5, 2-CHOME, TAKAIDO-HIGANSHI, SUGINAMI-KU, TOKYO, JAPAN.

Inventors : (1) SADAO NISHIBORI,
(2) YUZO ITAKURA.

Application for Patent No. 780/Cal/1992 filed on 23rd October, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules. 1971). Patent Office, Calcutta.

Claims 28

Wood meals comprising ;

(a) wood meals granules of 0.2—192.0um particle size and bulking density of 0.186—0.463 g/cc and

(b) a plurality of fine particles such as herein described of 0.2—5 um particle size fixed to the surfaces of said wood meal granules such that said wood meal granules are coated with said particles and wherein said particles are harder and smaller than said wood meal granules such that said particles are pressed into said wood meal granule surfaces.

(Compl, Specn, 80 pages; Drgs, 4 sheets)

Ind. Cl. : 172 D 1. 177637

Int. Cl.[4] : D 01 H 3/04.

"A DEVICE FOR THE TRANSPORTATION OF AT LEAST ONE CAN BETWEEN A CARD SLIVER DELIVERING SPINNING MACHINE AND A CARD SLIVER FEEDED SPINNING MACHINE".

Applicant : TRUTZSCHLER GMBH & KG., OF DUVENSTR 82-92, D-4050 MONCHENGLADBACH 3, GERMANY.

Inventor : JURGEN KLUTTERMANN.

Application for Patent No. 10/Cal/93 filed on 5th Jan., 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

A device for the transportation of at least one can between a card sliver delivering spinning machine, e.g. carding machine, and a card sliver feeded spinning machine e.g. draw frame, by means of a transport carriage to which a loading or unloading device for the can is allocated where the loading or unloading device has at least one clamp element for the hold and at least one linear displaceable shifting element for the shifting of the can with regard to the transport carriage and contains at least two movable hold elements whereby one movable hold element can be displaced outside over the end opposition of the stationary hold element, characterised in that

the movable hold element is in each case a cradle or bogie truck (13b, 13c) movable horizontally (A, B, C, D) and being linear guided with regard to the said hold element (base element 13a), the said hold element (13a) being fixed to wall of bogie truck (11).

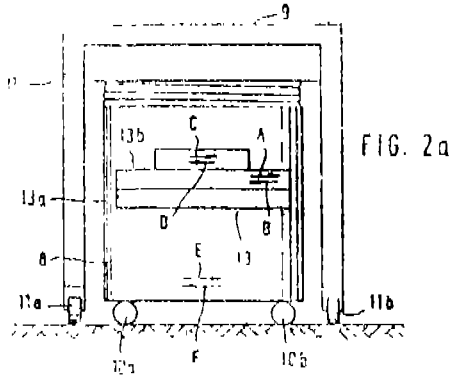


FIG. 2a

(Compl, Specn. 13 pages Drgs, 5 sheets)

Ind. Cl. : 201 C+D. 177638

Int. Cl.: C 02 F 1/52.

PACKAGED WATER TREATMENT PLANT.

Applicant : HARI MACHINES LIMITED, OF RAJGANGPUR-770017. DIST-SUNDARGARH, ORISSA, INDIA.

Inventor: RAMAKRISHNAN SRINIVASAN.

Application for Patent No. 303/Cal/93 filed on 1st Jun, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972). Patent Office. Calcutta,

5 Claims.

Packaged water treatment plant comprising a mixing, chamber provided with a propeller type agitator, a settling chamber and a pair of flocculating chamber provided with paddle type agitators interposed between the said mixing chamber and settling chamber, all the tour chambers being in communication with each other through appropriate weirs and open ports provided on the baffle wells wherein, the settling chamber is provided with parallel plate pack which consists of a series of plastic corrugated sheets or plates spaced at about 20-25 mm and are put together at an angle of 45° or 60° to the vertical in a wooden or steel frame thereby forming a module.

(Compl. Specn. 8 Pages; Drgs. 2 Sheets)

Ind. Cl. : 128 A. 177639

Int. Cl.[4] : A 61 L 2/80, 9/18, 15/01, 15/02.

A PROCESS OF PREPARATION OF WATER SOLUBLE WOUND DRESSING MATERIALS.

Applicant : JOHNSON & JOHNSON MEDICAL, INC., OF 2500 ARBROOK BOULEVARD, ARLINGTON, TEXAS 76014, UNITED STATES OF AMERICA.

Inventor : CRAIG J. HARDY.

Application for Patent No. 116/Cal/94 filed on 25th Feb. 1994.

Convention No. 9304309.9 on 03-03-93 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules 1971), Patent Office, Calcutta.

12 Claims.

A process for the preparation of a water soluble wound dressing material comprising in the step of mixing :

5% to 50% of an alginate ester of one or more C.C. polyhydric alcohols; 50% to 95% of a humectan consisting of one or more C_1-C_u monohydrio or polyhydric alcohols with 0% to 30% of water to form a gel, forming the resulting gel into the desired shape by any known means and drying the formed gel, to produce said wound dressing material.

(Compl, Specn, 11 Pages; Drgs. Nil)

Ind. Cl. : 32 (C) 177640

Int. Cl.[4] : C 07 C 43/03

PROCESS FOR THE PREPARATION OF SUBSTITUTED PHENETHANOL ETHERS,

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA

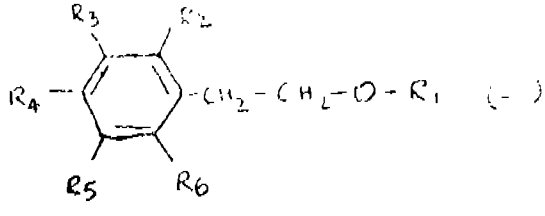
Inventors : 1. JOHN R, DURRWACHTEK, 2. HUMBERTO RAMOS, 3. MOHAMMAD ASLAM.

Application for Patent No. 416/Cal/94 filed on 6th June, 1994,

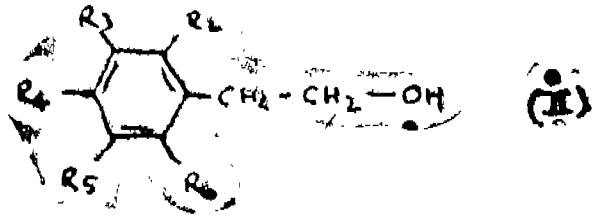
Appropriate office for opposition proceeding (Rule 4, Patents Rules 1971), Patent Office, Calcutta.

We Clam

1. A method of preparing a substituted phenthanol ether of the formula : -



comprising the step of etherification of a corresponding substituted phenethyl alcohol of the formula :



wherein R_1 is p primary alkyl group and R_2, R_3, R_4, R_5 and R_6 are independently hydrogen, an alkyl group, an unsubstituted or a substituted aryl group, a hydroxy group, an alkoxy group, an unsubstituted or a substituted aryloxy group, a halogen, a carboxylic acid gorup, a carboxylic acid derivative group, an aryloxy group, an aroyloxy, an amino-group, an alkyl substituted amino group, or a substituted or an unsubstituted aryl substituted amino group with an aliphatic primary alcohol having the formula R_1 OH wherein R_1 is a primary alkyl group containing 1 to 20 carbon atoms, in the presence of an acid catalyst as herein described at a pressure of atleast 50 psig and temperature above 75°C for a (period of time in the range of 50 hrs to 24 hrs or longer wherein said phenethyl alcohol is present in an amount of from 5% to 70% by weight based on the total weight of the reaction mass and the acid catalyst is atleast 1% by weight of the total weight of the reaction mass.

Ind. Class : 69K 177641

Int. Cl. : H 01H 33/00.

"GAS CIRCUIT BREAKER".

Applicant : HITACHI. LTD. A CORPORATION ORGANIZED UNDER THE LAWS OF JAPAN, OF 6. KANDA SURUGADAI -I-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : VASUHARU SEKI; OSAMU KOYANAGI, MASANORI TSUKUSHI.

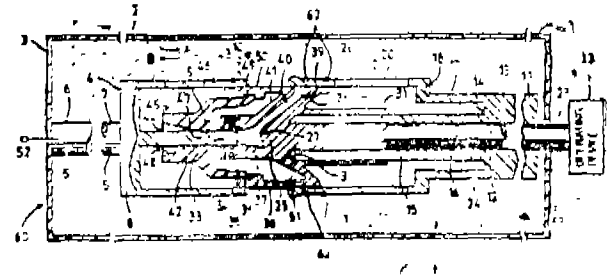
Application No. 918/Cal/1990; filed on 12-11-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

07 Claims.

A gas circuit breaker comprising a pair of contractors which comprise a fixed contractor (9) and a movable contractor (33) and are separable relatively from each other, an insulating nozzle (42) of an electrically insulating material surrounding said contractors (9, 33) so as to guide a flow of the gas, a cylinder (38) forming an unitary body together with said movable contractor (33) and said insulating nozzle (42), said cylinder (38) having an operating shaft (24) and forming a puffer chamber (30) for compressing the gas therein upon a separation of said contractor (33) from said fixed contractor (9) characterized in that a frame body (11) comprising an exhaust gas guide (19) is fitted gas-tightly to said cylinder (38) and has an opening (20) therein, a cylindrical portion (17) is connected to said exhaust gas guide (19) and extends to an opposite direction to said fixed contractor (9) along an axial direction of said operating shaft (24), a hollow cylindrical puffer piston (15) for guiding the movement of said operating shaft (24), and the gas from said puffer chamber (30) being compressed upon said separation of said contractors (9. 33) so as to blow said gas from said puffer chamber (30) to said insulating nozzle (42) and exhaust said gas through an exhaust passage (40) formed between said puller chamber (30) and said movable contactor (33). said exhaust gas guide (19) is divided along the axial direction of said operating shaft (24) for closing an exhaust port (39) during an initial stage of said exhaust port (39) being formed at an end of said exhaust passage (40) located on a downstream side of the gas flow from said puffer chamber (30) and springs (262) being provide ed on outside of said exhaust gas guide (19) for contacting said exhaust gas guide and said exhaust port closely.

FIG



(Compl. 28 Pages; Drawings 9 Sheets)

Ind. Class : 89 177642

Int. Cl.[4] : G 01 B 7/14,

"PORTABLE TYPE MEASURING INSTRUMENT WITH SOLAR BATTERIES".

Applicant : MITUTOYO CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, OF 31-19, SHIBA 5-CHOME. MINATO-KU, TOKYO 108, JAPAN.

Inventors : KOJI SASAKI.

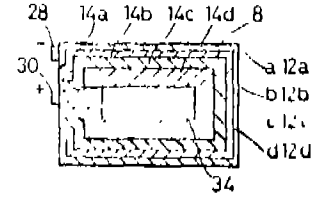
Application No. 187/Cal/1991 ; filed on 27-1-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

03 Claims.

A portable type measuring instrument (10) with solar batteries, embracing as a power source a group (3) of solar batteries, in which a plurality of solar batteries (12a to 12d) com prising respective light receiving windows (14a to 14d) are series-connected on the same plane and the light receiving windows are made to be substantially equal in area to one another, characterized in that each of the light receiving windows has the shape of a loop, and that the light receiving windows are disposed closely to each other consecutively surrounding the inner-mist loop to constitute a broad width loop as a whole wherein the lateral widths of the light receiving windows on the outer peripheries are progressively made smaller than those on the inner peripheries so as to make the respective light receiving windows equal in area to one another.

FIG.1



(Com. 13 Pages, Drawings 05 sheets)

Int. Cl.[4] : E 04 B 1/00.

In. Cl.[4] : E 04 B 1/00.

"BUILDING PANEL AND METHOD OF PRODUCING THE SAME".

Applicant : JULIUS WILLIAM ELISCHER. A CITIZEN OF AUSTRALIA OF 28 KINGSWAY, NEDLANDS. WESTERN AUSTRALIA-6000.

Inventor : JULIUS WILLIAM EL1SCHLR.

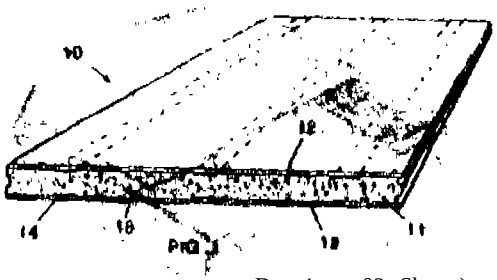
CONVENTION No. PJ 9122; Dated 16-03-90; In Australia.

Application No. 225Cal/1991; filed on 15-03-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Calcutta.-

15 Claims.

A building panel comprising a slab of lightweight concrete or the like having a pair of opposed faces, characterised in that a number of flat structural metal strips is secured by means of suitable adhesive to each of said opposed faces.



(Com. 18 pages Drawings 02 Sheets)

Ind Class . ; 35 E, 25 A. 193. 177644

Int. Cl.[4] : C 04 B 35/00 ; B 32 B 18/00.

"METHOD FOR PRODUCING SELF-SUPPORTING CERAMIC COMPOSITE BODIES".

Applicant : LANXIDE TECHNOLOGY COMPANY, L.P.A. LIMITED PARTNERSHIP FORMED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF TRALEF INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors : (1) BIROI SONUPARI AK, (2) KENNEIH SCOTT HATTON, (3) DENNIS JAMES LANDINI, (4) SYLVIA JOSEFINA CANINO.

'Application No.1 /Cal/1991." Filed on 01-01-1991

Appropriate Office for Opposition Proceedings (Ruler 4, Patents Rules, 1972), Patent Office, Calcutta.

26 Claims,

A method for producing a self-supporting ceramic body optionally, having a filler material embedded herein, said ceramic structure comprising (i) a ceramic substrate obtained by oxidation of a parent metal to form a polycrystalline material, and (ii) a protective surface region on at least a portion of the surface of the ceramic substrate, said protective surface region having a primary chemical constituent such as herein described different from the primary chemical constituent of the ceramic substrate, the method comprising the steps of :

(a) heating a parent metal in the presence of an oxidant to a temperature above the melting point of said parent metal but below the melting point of said oxidation reaction product to form a body of molten parent metal;

(b) reacting in the manner, such as herein described, skid body of molten parent metal with said oxidant at said temperature to permit said oxidation reaction product to form;

(c) maintaining at least a portion of paid oxidation reaction product in contact with and extending between said molten patent metal and said oxident, and at said temperature, thereby causing molten parent metal to be drawn progressively through said oxidation reaction product towards said oxidant so as to permit fresh oxidation reaction product to continue to form at an interface between said oxidant and previously formed oxidation reaction product, thereby forming said ceramic substrate ; and

(d) heating said ceramic substrate to a second temperature said second temperature being sufficient to induce at least two constituents of said ceramic substitute to react to form at least one protective surface region on at least, a portion of the surface of the ceramic substrate to form said ceramic body.

(Com, 67 Pages; Drawings 08 Sheets)

Ind. Cl. : 35-E & 85 J & B. 17 7645

Int. Cl.[4] ; C 04 B 35/00; F 27 D 1/00.

"BRICK LINING FOR A DIRECT-CURRENT ELECTRICARC FURNACE".

Applicant : DEUTSCHL VOEST-ALPINE INDUSTRIEANLOGENBAU GMBH NEUSSER STRASSE 111, 4000 DUSSELDORF 1., GERMANY A GERMAN COMPANY.

Inventor : DANE MEREDITH.

Application No. 385/Cal 1992; filed on 01-06-1992.

Appropriate Office for Opposition Proceedings (Rule Patents Rules, 1972), Patent Office, Calcutta.

09 Claims.

A brick lining for a direct-current electric-arc furnace, in which at least part of that region of said furance which receives the melt is provided on the inside with an electrically conductive, refractory buck lining and a ringshaped current conductor, on its outside, constituting the opposite pole to the top, electrode centrally, extending into said furnace, characterised in that

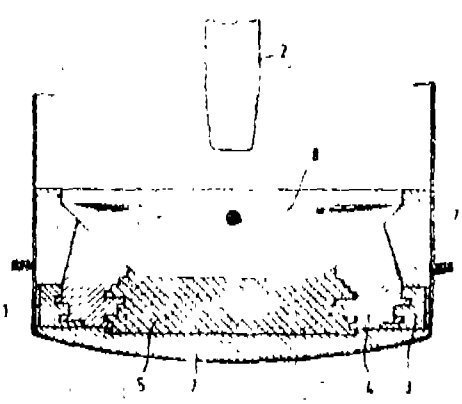
the entric bottom area is covered with a refractory, insulating brick lining,.

a brick lining of graphite bricks is applied onto that brick lining in the radially outer wall region of the furnace.

an annular zone comprising an electrically conductive, refractory brick lining, is located adjacent thereto in radially inward manner,

the central bottom area above said insulating brick lining is constituted by a monolithic ramming mass, and the material of the wall of said furnace above said brick lining of graphite bricks largely corresponds to that of said insulating brick lining at the hearth bottom.

FIG 1



(Com 10 Pages; Drawings 01 Sheet).

Ind. Cl. : 119 E. 177646.

Int. Cl.[4] : D 03 J, 1/22.

"AN IMPROVED TEMPLE FOR A WEAVING MACHINE".

Applicant : G HUNZIKER AG. OF FERRACHSTRASSE 30, CH-8630 RUTI ZH SWITZERLAND, A SWISS COMPANY.

Inventor : JACK GASPARE) ALTMANN.

Application No. 502/Cal/1992 ; filed on 14-07-1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

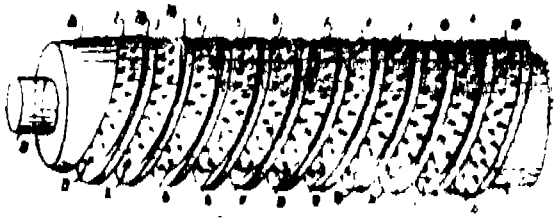
02 Claims.

An improved temple for a weaving machine for maintaining a web of textile material tensioned width-wise and for stretching the same, said temple comprising a plurality of wheels (2-12) angularly mounted on a pin to rotate freely said wheels being axially immobile, wherein : each said wheel is provided on its outer periphery with spikes (13-23) for penetrating said web; and

said spikes on at least one of said wheels are of different projecting lengths as compared to the spikes on the adjacent wheels; characterised in that :

each Maid wheel has a cylindrical or slightly conical spike-free flange portion (24) at least one of its two ends, the flange portion of each said wheel being adapted to be identified visibly by use of different colours for the respective flanges of the wheels, so as to represent the specific lengths of the pins or spikes arranged along the outer periphery of the wheels, and without any such visible color code being provided at the front face (15) of each flange portion facing the adjacent wheel and the running surface (35) of each flange portion.

FIG. 1



(Com. 10 Pages; drawings 03 sheets)

Ind. Cl. : 116 C 177647

Int. Cl. : B 65 G 15/48.

SEALING ARRANGEMENT FOR A RUNNING BELT SUCH AS A COOLING BELT DEVICE.

Applicant : SANTRADE LTD. ALPENQUAI 12, 6002 LUNZERN, SWITZERLAND A SWISS COMPANY.

Inventor : WALTER MONCH.

Application No. 611/Cal/1992; filed on 24 Aug 1992.

Appropriate Office for Opposition Proceedings (Rule 4,. Patents Rules, 1972), Patent Office, Calcutta.

08 Claims.

Sealing arrangements for a running belt (J) such as a cooling belt device which has its lower surface, in contact with any known liquid in order to allow the transfer of heat to or from goods resting on the other belt surface, the arrangement consisting of the sealing strips (4) applied against the belt (1) characterized in that the sides of the scaling strips (4) which are in contact with the belt (I) are provided with a plurality of grooves (14) extending obliquely from the outside of the sealing strips (4) adjacent the lateral edges (la, lb)of the steel belt (I) towards the centre, relative to the direction (15) of movement of the belt.

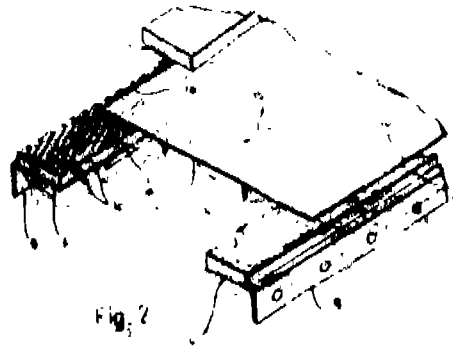


Fig. 2

(Com. 10 Pages Drawings 01 Sheets)

Ind. Cl. : 136 J. 177648

Int. Cl^4. : E 01 B 27/16.

A TAMPING MACHINE WITH A TWO SLEEPER TAMPING: UNIT.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H., A-1010 WIEN, JOHANNESGASSE 3, AUSTRALIA, AUSTRIA NATIONALITY.

Inventor : THEURER JOSEF.

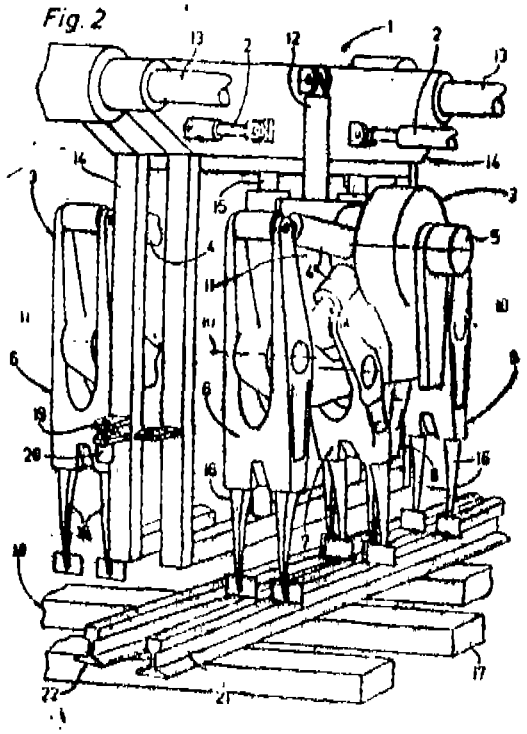
Application. No. 178/Cal/1993; filed on 26 Mar 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972); Patent Office, Calcutta.

16 Claims,

A tamping machine (43) for tamping a track (18) with a two sleeper tamping unit comprising a machine frame (45; 36) supported on on-track undercarriages (44) and a two-sleeper tamping unit (1) with tamping tools (6, 8, 9) which arc arranged in series in the longitudinal direction of the machine and are vibratable and squeezable by means of vibration and sqeeze drives (5, 4), adjacent sleepers (17), the tamping tools (6, 7, 8, 9) being mounted on a tool carrier (11, 30, 31) which is connected to an auxiliary frame (14) so as to be vertically adjustable, characterised in that a total of four auxiliary frames (14) are provided transversely displaceable independently of one another by means of individual transverse adjustment drives (2) and each forming an individual tamping component (3), with respectively, four tamping tools (6, 7, 8, 9) arranged in series in the longitudinal direction of the machine, an individual tool carrier (11) which is vertically adjustable by means of a vertical adjustment drive (12) and an individual vibration drive (5) being associated with each of the four tamping components (3).

Fig. 2



(Com 22 Pages: Drawing 03 Sheeets)

Ind. Class : 32 D+55 E^4 177649

Int. Cl. : C 07 F 17/02,

PROCESS FOR PREPARING PLATINUM (II) COMPLEX COMPOUNDS HAVING ANTI-TUMOR ACTIVITY.

Applicant: SUNKYONG INDUSTRIES LTD., A CORPORATION ORGANISED UNDER THE LAWS OF REPUBLIC OF KOREA OF 600 JUNG JA-DONG, CHAN. GAN-KU, SUWON, KYUNGKI-DO, 440-745. SOUTH KOREA.

Inventor : (1) KIM, DAE-KEF.
(2) KIM, GANGHYEOK,
(3) GAM, JONGSIK.
(4) CHO, YONG BAIK,
(5) KIMHUN TAEK.
(6) TAI JOO HO.
(7) KIM. KEY HYUP.

Application No. 321/Cal/93; field on 10, Jun 1993.

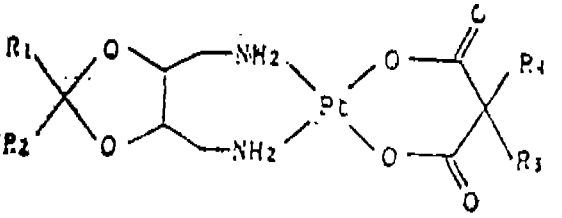
Divided out of Application No. 131 /Cal/ 92. Ante-dated to 27-02-1992.

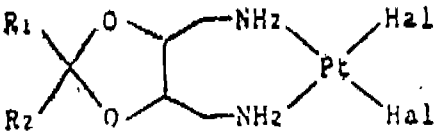
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

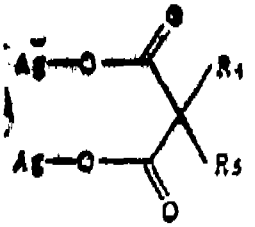
06 Claims.

1. A process for preparing a platinum (H) complex cowpound of the formula (1), which comprises :

reacting dihalogenodiamine platinum (II) complex of the formula (2), which has absolute configurations at the respective chiral centres in the , 5-bis (aminomethyl)-1, 3-dioxolane moiety of (4R, 5R) or (4S, 5S), with a silver salt of the formula (5) to obtain the compound of the formula (1), which has absolute configurations at the respective chiral centres in the 4, 5-bis (aminomethyl)-1, 3-dioxolane moiety of (4R, 5R) or (4S, 5S) respectively,







wherein :

R_1 and R_2, which may be the same or different, are a hydrogen atom or a C_1-4 alkyl group, respectively,

or jointly form a cydoalkane group together with the carbon atom attached thereto;

R_4 and R_5, which may be the same or different, are a hydrogen atom or a C_1-4 alkyl group, respectively or jointly form a cyclobutane group together with the carbon atom attached thereto; and

Hal is a halogen atom.

2. The process as claimed in claim 1, wherein said compound of the formula(2) is reacted wtih said compound of the formula (5) in the equivalent ratio of from 1 : 0,5 to 1 : 5, to an aqueous medium or a mixed medium of an aqueous solvent and an alcoholic solvent in a dark environment at a temperature between 0°C and 100°C for 1 hour to 3 days.

3. The process as claimed in claim 1, wherein said compound of the formula (1) is the compound wherein the absolute configurations at the respective chiral centers are (4R 5R).

4. The process as claimed in claim 1, in which said compound of the formula (1) is the compound wherein said R_1 and R_2 jointly form a cyclophentane or cyclohexane group together with the carbon atom attached thereto; both are a methyl group or an ethyl group; or one of said R_1 and R_2 is an ethyl or isopropyl group and the other is a hydrogen atom.

Ind. Class ; 32 C. 177650

In. $Cl.^4$: C 12 N 15/00; C 12 P 21 '00.

A METHOD FOR PRODUCES RECOMBINANTLACTOFERRIN PROTEIN.

Applicant : BAYLOR COLLEGE OF MEDICINE, A NON-PROFIT CORPORATION OF TEXAS. WITH A, PLACE OF BUSINESS AT ONE BAYLOR PLAZA HOUSTON, TEXAS 77030, UNITED STATES OF AMERICA.

Inventors : (1) ORLA MAOILIOSA CONNEELY.
(2) DENTS ROBERT HEADON
(3) BERT WILLIAM O'MALLEY
(4) GREGORY STUART MAY.

Application No. 210/CAL /1993, filed on 12 Apr 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

12 Claims

A method for producing recombinant Tactoferrin protein comprising the steps of :

combining sequences containing a selectable marker gene such as herein described a promoter such as described, a transcription termination sequence such as herein described, and a linker sequence such as herein described;

cloning said sequences to form a recombinant expression plasmid vector;

digesting said plasmid vector with a restriction endonuclease;

inserting a CDNA coding or lactoferrin into a restriction site;

using said plasmid vector or the expression of lactoferrin CDNA in eukaryotic cells;

culturing such eukaryotic cells transformed with said recombinant plasmid vector containing a polydeoxyribonuclcotide which encodes a lactoferrin protein in a suitable nutrient medium until lactoferrin protein is formed; and

isolating the lactoferrin proten thus produced from said eukaryotic cells.

(Com. 19 pages; Drgs. 9 sheets)

Cl. : 31 C. 177fi51

Int. Cl.[4] : H 05 E 3/10.

RESISTOR ELEMENT TO WITHSTAND HIGH TEMPERATURFS.

Applicant ; EATON LIMITED, OF EATON HOUSE, STAINS ROAD, HOUNSLOW, MIDDLESEX TW4, 5DX, ENGLAND.

Inventors : ALWYN JOHN EVERITT.

Application No. 307/Cal/1992 filed on 5th May, 92.

(Convention No. 9110735,9 on 17-5-91 in U.K.),

Appropriate Office for Opposition Proceedings (Rule 4. Patent Rule 1972) Patent Office, Calcutta.

3 Claims

A resistor element (1) comprising generally flat elongated members arranged in a zigzag fashion such that there are intermediate legs (4) and end legs (2 & 3), the legs joined end to end at apices (10), the end legs each having one free end (5, 6) at which is a joining and mounting formation such as bends and holes (5', 6', 7, 8) for mounting on a support structure the apices (10) having a small radius less than the length of the legs, the legs (2, 3, 4) having a rib (9) on a first side produced by material that hast been forced to the first side of the leg leaving a depression on a second sides the material of the legs and their dimensions, and those of the ribs being such as to enable withstanding of thermal shocks with minimal bending, and distortion.

(Comp. Specn. 11 pages; Drgs. 2 sheets.)

Cl. : 117 B. 177652

Int. Cl. [4] : E 05 B 65/12.

A LOCK ASSEMBLY HAVING A LOCK BODY WITH A CURVED KEYWAY.

Applicant & Inventors : YUN-TUNG HSU, OF NO 65, LANE 189, SEC. 3, KANG NING RD. NEI-HU DIST. TAIPEI, TAIWAN, REPUBLIC OF CHINA.

Application No. 626/Cal/1991 filed on 21st August, 91

Appropriate Office for Opposition Proccedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta,

8 Claims

A lock assembly, comprising :

a lock body including at least two plug pieces having confronting faces with longitudinal curved groove, said plug pieces cooperatively forming a cylindrical plug, said curved grooves being complementary so as to form a longitudinal curved keyway with a cross-section that is shaped to have anuprightfirstportionandacrosswisesecondportion,a
first set of tumpler members provided on said cylindrical plug and extending in the direction of said upright first portion and a second set of tumbler members provided on said cylindrical plug and extending in the direction of said crosswise second portion; and

a flexible key adapted to be received in said curved keyaway and useful for actuating said first set and said second set of tumbler members, wherein said flexible key comprises a longitudinal curved keyaway with a cross-section that is shaped to have an upright first portion and a cross-wise second portion, and a kunckle assembly including a chain of successively hinged knuckles, some of said knuckles incorporating a first set of key bit projections extending in the direction of said upright first portion of said curved keyway to actuate said first set of tumbler members, while some of the said knuckles incorporating a second set of said key bit projecting crosswise second portion of said curved keyway to actuate said second set of tumbler members

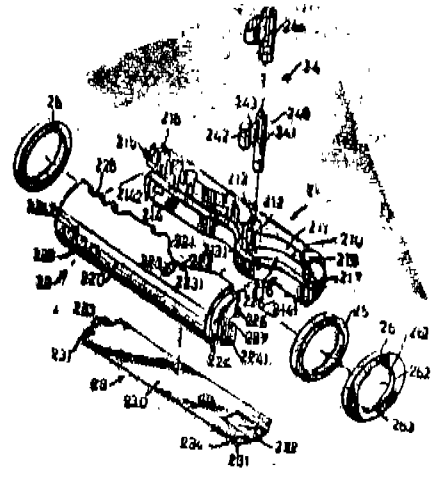


FIG.3

(Compl. Specn. 19 pages; Drgs. 8 sheets.)

Cl. : :33D. 177653

Int. Cl.[4] : B 22 D 11/04, 11/06.

AN EMITTER UNIT PARTICULARLY FOR USE IN IRRIGATION.

Applicant : HYDRO-PLAN ENGINEERING LTD., OF DEBORA HANEVIA ST. P.O. BOX 10147, TEL-AVIV, ISRAEL.

Inventors : KAPHAEL MEHOUDAR,

Application No. 759/Cal/1991 filed on 9th October, 91,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta,

27 Claims

An emitter unit particularly for use in irrigation having wall means for defining an elongated flowduct having a flowduct inlet and a flowduct outlet and a unit inlet and a unit outlet respectively coupled to the flowduct inlet and the flowduct outlet; said flowduct comprising a central elongated control duct of substantially rectangular cross-sectional shape having a width a and two sets of successive like flow pockets located respectively on either side of the control duct and opening into the control duct; each flow pocket of said sets being defined between a pair of adjacent side walls of a pair of successive baffles of a corresponding set of baffles, between first and second opposite flowduct walls and a flowduct side wall; each baffles having baffllle side walls terminating in a baffle edge of width c and of height b, the baffles of one set being respectively directed substantially towards the midpoints of the inter-baffe region of the opposite set; the baffle edges of each set of baffles being substantially aligned and defining one pair of opposite longitudinal sides of the control duct, the other pair of longitudinal sides of said control duct being defined by first and second opposite control duct walls, the aligned edges of one set of baffles being substantially parallel to the aligned edges of the opposite set of baffles; the dimensions of a and c relative to d where d is the minimum throughflow spacing in said flowduct between successive oppositely directed baffles being ouch that c lies substantially in the range 0-0.25d and a lies substantially in the range 0.2d -0.4d.

(Compl, Specn. 21 pages; Drgs. 4 sheets.)

Cl. : 40 F. 177654

Int. Cl.[4] : C 12 P 1/04.

MICROBIAL PROCESS FOR REDUCTION OF PETROLEUM VISCOSITY.

Applicant : ENERGY BIOSYSTEMS CORPORATION, OF 4200 RESEARCH FOREST DRIVE, THE WOODLANDS, TEXAS 77381, UNITED STATES OF AMERICA

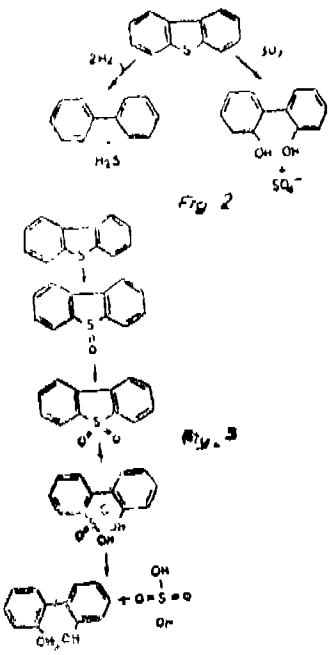
Inventors : (1) DANIEL JOSEPH MONTICELLO
(2) WILLIAM MARTIN HANEY.

Application No. 916/Cal/1991 filed on 10th December, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

10 Claims

A method for producing a liquid with reduced viscosity which contains aromatic heterocyclic molecules containing a sulfur hereroatom, the physicochemical properties of said molecules contributing significantly to the viscosity of the liquid, comprising contacting the liquid with a biocatalyic agent such as herein described possessing the ability to selectively cleave carbon-sulfur bonds in said heterocyclic molecules at a temperature less than the temperature at which the biocatalyst agent is inactivated whereby a substantial number of said molecules are converted into molecular forms that contribute significantly less to the viscosity of the liquid.



(Compl. Specn. 16 pages; Drgs. 1 sheet.)

Cl. : 123. 177655

Int. Cl.[4] : C 05 F 3/00.

PROCESS FOR PREPARING HIGH POWER ORGANIC MANURE FROM WASTE MATERIAL OF PAPER & BOARD INDUSTRY.

Applicant & Inventors : SHRI PURNENDU CHATTERJEE, OF 29/1, RAMKUMAR GANGULY LANE, BOTANICAL GARDEN, HOWRAH-711 103,

Application No. 942/Cal/1991 filed on 23rd December, 1991.

Complete Specification left after provisional on 7th January, 1992.

Appropriate Office for Opposition Proceedings (Rule 1, Patent Rule 1972) Patent Office, Calcutta.

2 Claims

A process for preparing High Power Organic manure having the following constituent organic matter 46,8% inorganic matter 50% including (Nitrogen 7.3% P^2O_5, 58% K^2O. 48% SO^4 .62%) which also has a property to change the character of the soil and the manure which has on additional property as an organic catalyst such as :

to enhance the fertilileness of the soil,

to increase the water storing capacity of the soil,

to desolve some of the complex salt of the soil,

and maximum utilisation of chemical fertiliser use externally without changing the total property of the manure, which process comprises (a) accumulating the paper pulp waste slice in a reservoir having an into and outlet wherein the outlet is covered with a screen to avoid passing out of pulp silica (b) flowing a stream of water continue through the reservior for about 15 to 24 months that by degrading the pulp waste to get a viscous mass, (C) stopping the water inflow and letting the water of the servior to pass out through the outlet to get a slurry of viscos mass which has taken out from the reservior and (d) drving the said slurry either by exposing to open dry atmosphere or by passing the mass through a temperature less than 60°C for a predetermined period, (e) crushing the dry moss removing any

undesirable foreign material or any heavy metal in a knows manner and thus obtained the desire manure

(Compl. Specn. 18 pages; Drgs. 2 sheets.)

Cl. : 50 D. 177656

Int. Cl. : B 60 K 11 /08.

GRATING DEVICE FOR ARMOURED SPECIAL PURPOSE VEHICLES OR STATIONARY UNITS.

Applicant : HOESCH AKTIENGESELLSCHAFT, OF EBERHARDSTRASSE 12, 4600 DORTMUND 1 GERMANY.

Inventors (1) PAUL-WERNER REINEHR
(2) GUNTER DIETERICH
(3) HANS-WERNER SCHULTE
(4) KARLHEINZ PIEL
(5) DIRK FENCER.

Application No. 334/Cal/1992 filed on 18th May, 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

Grating device for armoured special purpose vehicles or stationary units said grating device comprising parallel profile strips disposed in a frame to prevent passage of foreign bodies through the grating device, characterised in that said profile strips are movable relative to the frame in a directon normal in the longitudinal extent of the profile strips, and, that energy absorbers such as herein described are interconnected between said profile strips and said frame to reduce the kinetic energy of foreign bodies impacting on the profile strips.

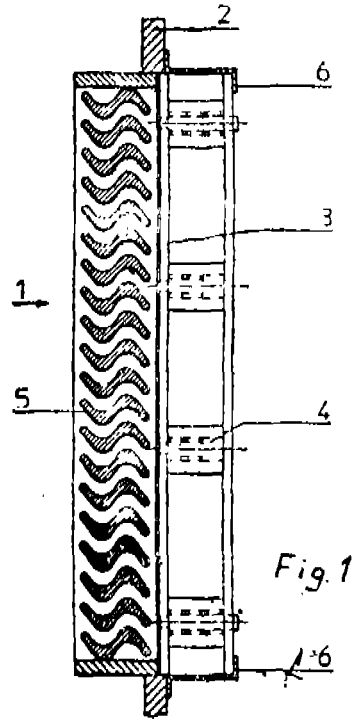


Fig. 1

(Compl. Spec 7 pages; Drgs, 2 sheets)

Cl. : 164 C 177657

Int. Cl.[4] : C 02 F 1/72.

PROCESS FOR CONVERTING WASTE WATER INTO WATER FREE FROM AMMONIA AND EFFLUENT WITH CONCENTRATED AMOUNT OF AMMONIUM COMPOUNDS.

Applicant : ZIMPRO PASSAVANT ENVIRONMENTAL SYSTEMS. INC.. OF 301 WEST MILITARY ROAD, ROTHSCHILD, WISCONSIN 54474, UNITED STATES OF AMERICA.

Inventor : RICHARD WILLIAM LEHM1ANN.

Application No. 403/Cal/1992 filed on 5th June, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

13 Claims

A process to convert waste water such as from acrylonitrile manufacture, by wet oxidising, into water substantially free from ammonia and effluuent with concentrated amount of ammonium compounds such as herein described, said process being characterised by the following steps :—

(a) pre-heating a liquid influent;

(b) introducing said preheated influent, an oxygen containing such as herein described, and said wastewater into a reaction vessel for undergoing wet oxidation;

(c) withdrawing from said reaction vessel an oxidized effluent including a gas phase containing ammonia and carbon dixoide and a liquid phase containing said ammonium compounds;

(d) reducing the temperature of said effluent to a temperature sufficient to condense a substantial portion of said ammonia into said liquid phase;

(e) separating by a separator the remaining gas phase containing a substantial portion of said carbon dioxide from the resulting liquid phase;

(f) adjusting the pH of said liquid phase to between 5.0 and 6.5 either prior to or subsequent to step (e) to a level whereby a substantial portion of said ammonia remains in said liquid phase when said liquid phase is subsequently subjected to an elevated temperature above the boling point of water; and

(g) reducing the water the water content of said pH-adjusted liquid phase by evaporation.

(Compl. Specn. 22 pages; Drgs. 3 sheets.)

Cl. : 126 D. 177658

Int. Cl. : G 01 S 13/44.

APPARATUS FOR THE DETERMINATION OF THE HEIGHT LOW ELEVATION TARGET.

Applicant : HOLLANDSE SIGNAALAPPARATEN B.V., OF ZUIDEIJIKE HAVENWEG 40, 7550-GD HENGELO, THE NETHERLANDS.

Inventor : ALBERT GROENENBOOM.

Application No. 513/Cal/1992 filed on 20th July, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

1 Claim

WE CLAIM :

Apparatus for determining the height of a low-elevation target comprising a radar apparatus provided with a transmitting unit to which a transmitting antenna is connected, a receiving antenna to which a receiving unit is connected, whereby the transmitting unit and the transmitting antenna are

arranged for illuminating the target by electromagnetic radiation and whereby the receiving antenna is arranged for receiving the transmitted signal reflected by the target and by the target via the earth surface, and whereby the receiving unit is arranged to generate complex sum signals and complex elevation difference signal's <, which are representative for the target, whereby for the transmitting antenna, the receiving antenna and the receiving unit, a real error voltage curve E (0) is known for a target with an elevation error angle 0, the transmitted signal has a wavelength the receiving antenna is positioned at a height he above the surface and makes an elevation angle 0_o, with the earth surface, characterised by a signal processor connected to the receiving unit, provided with an algorithm for determining the height of the target ht and means connected to the signal processor for directing the transmitting antenna and the receiving antenna at an aiming point, whereby the signal processor is arranged to determine the complex elevation error voltage S out of the complex sum signal and complex elevation difference signals

Δ by equating $S = \Delta/\Sigma$ and is arranged to determine the target range R, and whereby the signal processor by means of the algorithm therein is arranged to -

- calculate the real part of S as Re(S);
- calculate the time derivative of the argument of S as $\frac{d}{dt} \arg(S)$;

calculate the target height h_t from the previously calculated values of $\frac{d}{dt} \arg(S)$, R and Re(S)

- by solving the following equation :

$$\frac{d}{dt}\arg(S) = \frac{4\pi h_a h_t}{\lambda R}\left(1 + \frac{Re(S)}{\quad}\right)\frac{d}{dt}\left(\frac{1}{R}\right)$$

$$R\left(\frac{h_a + h_t}{R} = \theta_o\right)$$

direct the transmitting antenna at the target by making use of the thus calculated target height or optionally when means for successively generating transmitter signals of wavelengths λ_1 and λ_2 in which $\lambda_1 \neq \lambda_2$ and whereby the values $\Sigma_1, \Delta_1, S_1 = \frac{\Delta_1}{\Sigma_1}, \Sigma_2, \Delta_2$ and $S_2 = \frac{\Delta_2}{\Sigma_2}$ are determined, the receiving antenna is positioned at a height h_a above the earth surface and makes an elevation angle θ_o with the earth surface, characterised in that the signal processor by means of the algorithm therein determines the target height h_t by solving the following equation

$$\arg(S_2) - \arg(S_1) = \frac{4\pi h_a h_t}{R}\left(\frac{1}{\lambda_2} - \frac{1}{\lambda_1}\right)\left(1 + \frac{Re(S_1) + Re(S_2)}{2}\right)\left(\frac{h_a + h_t}{R} - \theta_o\right)$$

Compl. Specn. 15 pages Drgs. 2 Sheets

Cl. : 172 C 2. 177659

Int. Cl. : D 01 G 19/00, 19/22.

A NEEDLE BAR IN PARTICULAR A TOP COMB FOR TEXTILE MACHINERY.

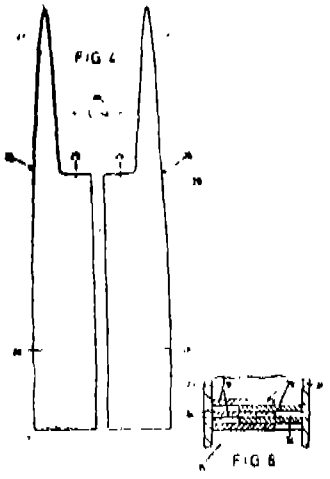
Applicant : STAEDTLER & UHL, OF NORDLICHE RINGSTRASSE 12, D-8540 SCHWABACH FEDERAL REPUBLIC OF GERMANY.

Application No. 595/Cal/1992 filed on 18th August, 92.
Inventor : JOSEF EGERER.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

2 Claims

A needle bar characterised in that the needle bar comprises a plurality of needle like stamped elements (26) which comprises in each case a lateral projection (29) in the foot region the stamped elements (26) being lined up in such manner. That the tips (27) of the stamped elements (26) protrude to the one or the other side in alternating manner, so that air channels (34) arc formed between the projections (29) adjacent on the same side respectively.



(Compl. Specn. 7 pages; Drgs. 2 sheets.)

Cl. : 157 D 3 4 5. 177660

Int Cl. : E 01 B 27/02, 27/04,

A TRACK MAINTENANCE MACHINE FOR CONTROLLED LOWERING OF A TRACK.

Applicant : FRANZ PLASSER BAHNBAUASCHINEN-INDUSTRIEGESELLSCHAFT m.b.H., OF A-1010 WIEN, JOHANNESGASSE 3, AUSTRIA.

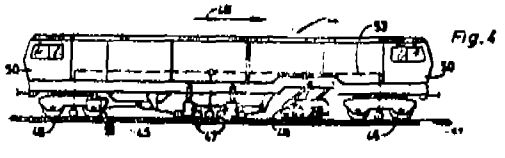
Inventor : THEURER JOSEF.

Application No. 541/Cal/1992 filed on 30th July. 92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

10 Claims

A track maintenance machine for the controlled lowering of a railway track with consolidation of the ballast bed comprising a machine frame supported by on track undercarriages, a stabilizing unit which is designed for vibration substantially horizontally and also transversely of the machine and for vertical displacement under the power of drives and which is equipped with roller tools designed for application to the rails of the track and a vertically displaceable sweeping brush designed for rotation by a drive about an axis extending transversely of the longitudinal axis of the machine, characterized in that the sweeping brush (31; 49) it arranged in front of the stabilizing unit (25; 47) in the working direction of the track maintenance' machine (1:44).



(Compl. Specn. 14 pages; Drgs. 2 sheets.)

Ind. Cl. : 32 C. 177661

Int. Cl.[4]: C 12 N 9/14, 15/00.

A METHOD OF PRODUCING MODIFIED CARBO NYL HYDROLASE.

Applicant : GENBNCOR INTERNATIONAL INC.. OF 180 KIMBALL WAY SOUTH SAN FRANCISCO, CALI FORNIA 94080. UNITED STATES OF AMERICA.

Inventors : (1) ROBERT MARK CALDWELL
(2) DAVID AARON ESTELL
(3) THOMAS PAUL GRAYCAR.

Application for Patent No. 906/Cal/l990 filed on 29th, October. 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A method of producing modified carbonyl hydrolase containing substituted amino acid sequence such as herein-described comprising :—

Substituting specific residues of an amino acid sequence of a precursor carbonyl hydrolase such as hereindescribed equivalent to +123 or +274 in Bacillus amyloliquefaciens subtilising in a carbonyl hydrolase as hereindescribed to thereby produce the modified carbonyl hydrolase having substituted amino acid sequence.

(Comp). Specn. 38 pages; Drgs. 14 sheets.)

Ind. Cl. : 195 E. 177662

Int. Cl.[4] : F 15 B 11/05, F 15 C 1/06.

CONTROL SYSTEM FOR HYDRAULIC POUMP.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2, OHTEMACHI 2-CHOME, CHLYODA-KU, TOKYO, JAPAN.

Inventors : (1) HIROSHI WATANASBE
(2) EIKI IZUMI
(3) YASUO TANAKA
(4) HIROSHI ONOUE
(5) SHIGETAKA NAKAMURA.

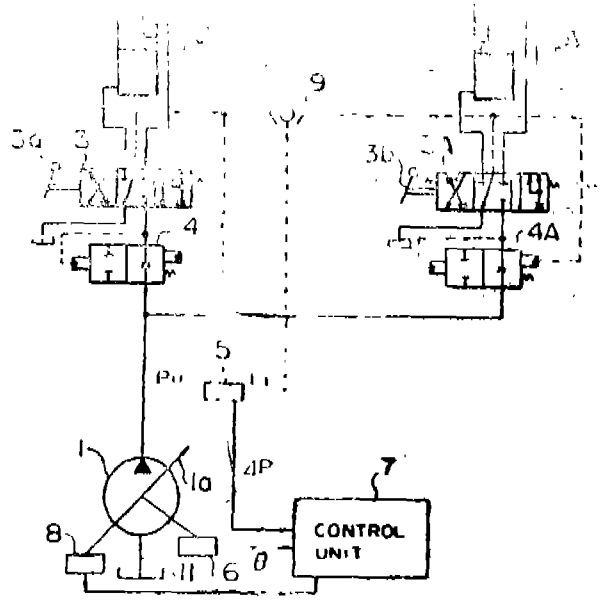
Application for Patent No. 916/Cal/1990 filed on 30th October, 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules 1971) Patent Office, Calcutta.

A control system for a hydraulic pump in a hydraulic drive circuit comprising at least one hydraulic pump (1) provided with displacement volume varying means (Ia) at least one hydraulic actuator (2) driven by a hydraulic fluid delivered from said hydraulic pump, and a flow control valve (3) connected between said hydraulic pump and said actuator for controlling a flow rate of the hydraulic fluid supplied to said actuator, wherein a target value (Po) of a differential pressure (P) between a delivery pressure of said hydraulic pump and a load pressure of said actuator is preset, and said displacement volume varying means of said hydraulic pump is driven dependent on a deviation ((P)) between said different pressure and said target value thereof for controlling a pump delivery rate so that said differential pressure is held at said target value, said control system for a hydraulic pump further comprising :—

first means (202 204) 202D, 203D; 202G, 203G, 202K, 203K;) for receiving at least one value (0; , (P); X; Nr: Ne; Np) which influences a change rate of the delivery pressure of said hydraulic pump (1) with respect to change in the displacement volume of said hydraulic pump (1), and determining a control gain (Ki) for a change rate of the displacement volume based on the received value; and

second means (205—209) for controlling said displacement volume varying means (la) of said hydraulic pump in accordance with control gain determined by said first means and said differential pressure deviation. ( ) p)).



(Compl. Specn. 90 pages; Drgs. 39 sheets.)

Ind. Cl.: 156 A; E; G; 177663

Int. CI.[4] : F 01 D 17/00, 17/05, 17/10,
F 03 B 15/00, F 03 B 15/14.

A SYSTEM FOR CONTROLLING THE LEVEL OF LIQUID IN A BALANCED MANNER IN THE STORAGE TANKS.

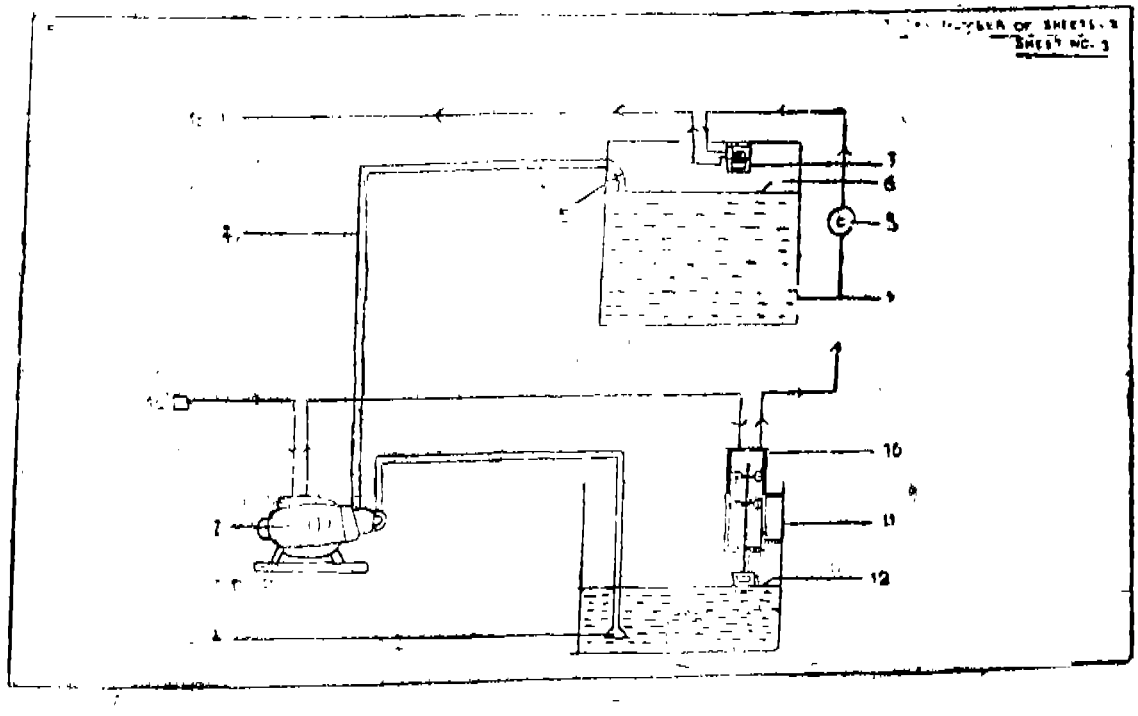
Applicant & Inventor : RAJARSHI BARDAN, 97-1, SERPENTINE LANE, 2ND FLOOR, CALCUTTA-700 014, INDIA. (

Application for Patent No. 199/Cal/91 filed on 7th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1971), Patent Office, Calcutta.

6 Claims

A system for controlling the level of liquid in a balanced manner in the storage tanks, comprising a motor connected to the pump for lifting liquid from the primary storage tank, to the secondary storage tank; the said motor is being provided with two electrical terminals, one of the terminals is connected to a conducting plate of the first gadget provided in the primary storage tank for controlling the lower level of liquid; and the second gadget is provided at the secondary storage tank where the terminal coming out from the first gadget is connected to an arm having a conducting plate, which controls the upper level of water in the secondary storage tank by means as herein described and are provided with in each of the gadgets in the said storage tanks to complete the electrical circuit, depending on the level of liquid in the respective storage tanks, to operate the motor to which the said pump is connected.



(Comp. Specn. 10 pages; Drgs. 3 sheets))

Ind. Cl.: 172. 177664

Int. Cl.[4] : D 01 H 13/00, 13/02, 13/04,

AN ARRANGEMENT FOR DEPOSIGING CANS IN A SPINNING MACHINE SYSTEM.

Applicant: 1. FRITZ STAHLEKER OF JOSEF-NEIDHART-STRASSE 18, 7347 BAD UBERKINGEN, FEDERAL REPUBLIC OF GERMANY.

2 HANS STAHLECKER OF HALDENSTRASSE 20, 7334 SUSSEN, FEDERAL REPUBLIC OF GERMANY.

Inventor; 1. FRITZ STAHLEKER. 2. HANS STAHLECKER.

Application for Patent No. 541/Cal/1991 file don 15th July 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1971), Patent Office, Calcutta.

16 Claims

An arrangement for depositing cans in a spinning maching system having at least one spinning machine which has a plurality of spinning stations arranged next to one another, to which one can respectively is assigned which contains a sliver to be sopun, the cans being deposited in several rows on a platform situated above the spinning machine, characterised in that the platform 13 being provided with at least one operating aisle 51 and a depositing area 50 for the cans 7.

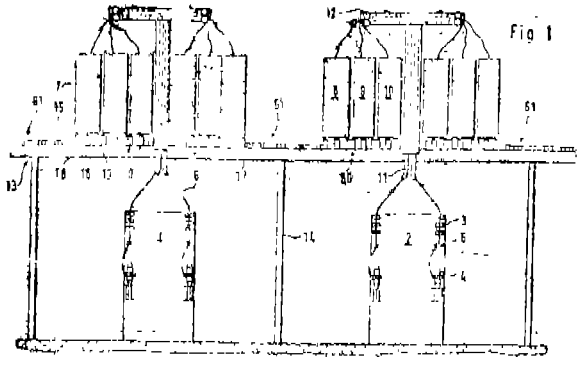


Fig 1

(Comp. Specn. 12 pages; Drgs. 3 sheets)

Ind. Cl.: 50 E 177665

Int. Cl.[4]: F 25 B 41/00.

CONTROL SYSTEM FOR ABSORPTION REFRIGERATOR.

Applicant: SANYO ELECTRIC CO.. LTD., OF 18, KEIHANHONDORI 2-CHOME, . MORIGUCHI-SHI, OSAKA, JAPAN.

Inventors :

1. ATSUSHI OGAWA.
2. KAZUHIRO HITOMI.
3. MASAHIRO MAEKAWA.
4. KAZUHIRO YOSHII.
5. HIDETOSHI ARIMA.
6. EIICHI ENOMOTO.

Application for Patent No. 546/Cal/1991 filed on 29th July 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1971), Patent Office, Calcutta.

9 Claims

A control system for an absorption refrigerator comprising an evaporator (4), absorber (5), high-temperature generator (1) and condenser (3) being successively connected for providing, a refrigeration cycle, the control system being adapted to subject the outlet temperature of cold water provided in the evaporator (4), and cooling water is caused to pass through the absorber (5) via pipe (22) for cooling water provided in the absorber (5), characterised in that the control system comprise :

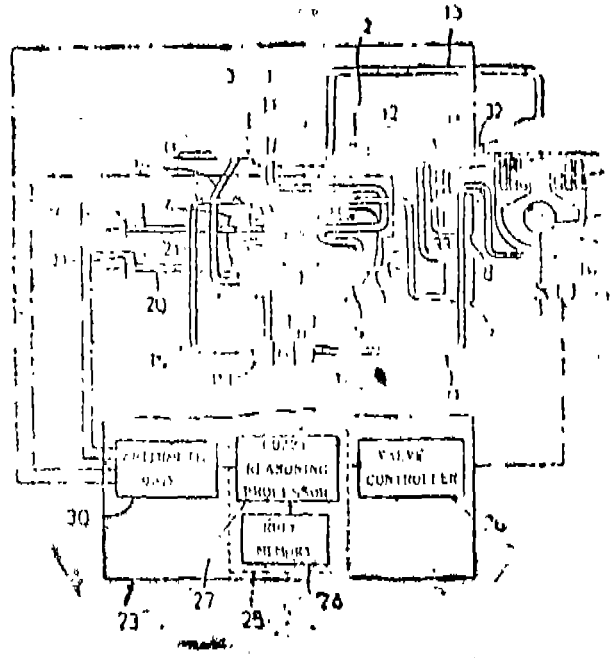
first arithmetic means (30), such as herein described, for calculating values of a. plurality of input variables for forming fuzzy rules based on a plurality of items measurement data at least including an output and inlet temperature of the cold water in the pipe (20) for cold water provided in the evaporator, inlet temperature of the cooling water in the pipe (22) for cooling wafer provided in the absorber, and the temperature of the high-temperature generator;

memory means (28), such as herein described, for calculating a control input to approximate the cold water outlet temperature to a desired value by conducting fuzzy reasoning in accordance with the specified rules stored in the memory means based on the value of input variables supplied from the first arithemetic means;

and

control means (26), such as herein described, for adjusting the amount of heating of the high-temperature generator (1) in accordance with the control input delivered from the second arithmetic means as an output;

the plurality of rules in the memory means being rules having two antecedent input variables, two membership functions for the two input variables, and consequent membership functions which, when arranged in a mastrix in corresponding relation to the two antecedent membership functions, are defined in every other row and every other column of the matrix in a region where at least the two input variables take a positive or negative great value.



(Compl. Specn. 25 pages; Drgs. 8 sheets)

Ind. Cl. 7. 177666.

Int Cl.[4] G 08 B 13/00.

'A' MOBILE MONITORING DEVICE".

Applicant : SAMSUNGH ELECTRONICS CO. LTD., OF 416, MAETAN-DONG, KWONSUN-GU, S; UWON-SHI, KYONGGI-DO, REPUBLIC OF KOREA.

Inventors . RUDI ALFERD BISCHOFF, JOHN WILLIAM BLOOMFIELD, ROBERT LAWRENCE PAYNE, SCOTT BRIAN WAGNER.

Application for Patent No. 881/Cal/1991 filed on 26th Nov, 1991.

Appropriates office for opposition proceedings (Rule 4, Patent Rules, 1971) Patent Office, Calcutta.

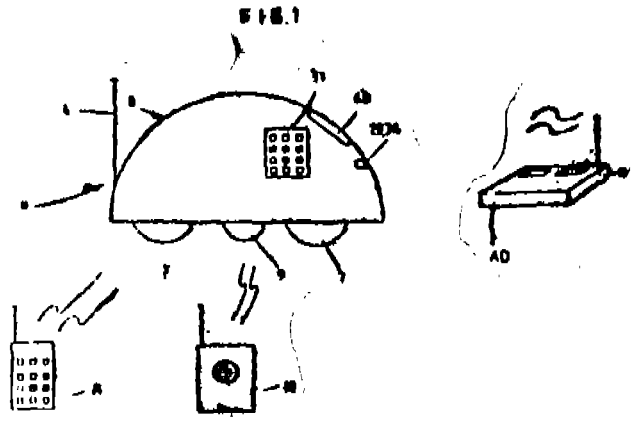
26 Claims

A mobile monitoring device comprising :

a self-propelled movable robot having a transmission controller, a receiver, and a plurality of sensing means, such as herein described, wherein said transmission controller transmits a signal in response to the sensing of an abnormal con dition by said plurality of sensors;

monitoring means, such as herein described, for receiving the signal transmitted by the transmission controller of laid robot and alerting an authorized user when an abnormal condition is detected; and

automatic communication control means, such as herein described, for receiving the signal transmitted by the transmòssion controller of said robot, automatically dialing a predetermined telephone number in response to said signal from an authorized user and transmitting said commands to the receiver, of said robot for the purpose of controlling said robot.



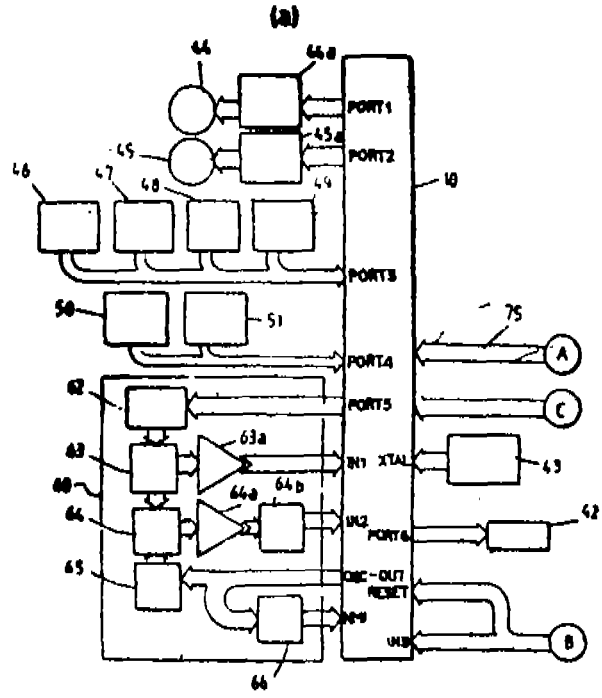
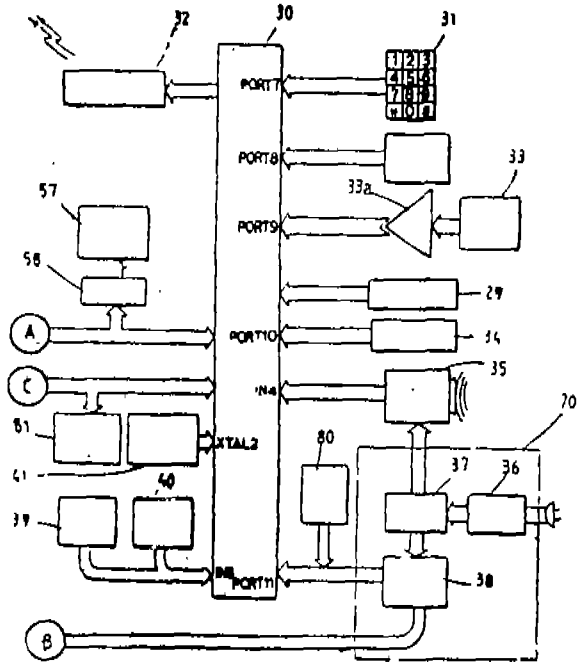


FIG 2

(b)



(Complete Specn. 118 pages; drgs. 40 sheets).

Ind. Cl. 35 (E) 177667.

Int. Cl.[4] C 04 B 35/02.

"AS PROCESS OF PREPARING PURIFIED MATERIAL SUCH AS REFRACTORY LINING AND CARBONACEOUS CATHODE MATERIAL".

Applicant : METALLGESELLSCHAFT AKTIENGESELISCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventor : 1. GURUDAS SAMANT, 2. MARTIN RAHN, 3. HANS-WERNER SCHMIDT.

Application for Patent No. 256/Cal/1992 filed on 13th Apr. 1992.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1971) Patent Office, Calcutta.

7 Claims

A process of preparing purified material such as refractory lining and carbonaceous cathode material devoid of fluorine and cyanide containing compound, comprising the steps of :

(a) the residual materials such as herein described are thermially treated after an addition of calcium and/ or magnesium compounds such as herein described.

(b) the thermal treatment is effect in a two-stage fludized bed system,

(c) a temperature from 650 to 900°C is maintained in the two-stage fludized bed system.

(d) the first stage of the fludized bed system is operated under slightly reducing conditions such as herein described with an air ratio 1,

(e) the second stage of the fluldized bed system is operated under oxidizing conditions with an oxygen content 2% by volume, and

(f) the treated material is withdrawn from the second stage.

(Compl. Specn, 15 pages; drgs 1 sheet).

Ind. Cl. 128 G. 177668.

Int. C1.[4] A 61 B 5/14.

"An APPARATUS FOR COMPARING THE LEVEL OF FREE BETA HUMAN CHORIONIC GONADOTROPIN (HCG) IN A PREGNANT WOMAN PATIENTS BLOOD SAMPLE".

Applicant : JAMES N. MACRI, OF 170 SIDNEY STREET, OYSTER BAY, NEW YORK, 11771, UNITED STATES OF AMERICA.

Inventor ; JAMES N. MACRI.

Application for Patent No. 454/Cal/1993 filed on 10th Aug. 1993.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1971) Patent Office, Calcutta.

4 Claims

An apparatus for comparing the level of free beta human chorionic gonadotropin (HCG) in a pregnant woman patient's blood sample diring a time period selected from the group consisting of : the first trimester of pregnancy the second trimester of pregnancy, and the third trimester of pregnancy, to a set of reference data containing the level of free beta HCG during the time period in: (1) pregnant women carrying normal fetuses and (2) pregnant women carrying fetuses with a fetal chromosomal abnormality, to determine the patients risk of carrying a fetus with the fetal chromosomal abnormality, wherein the improvement comprises in the combinastion of;

a central processing unit having an electrically stored database containing the reference data;.

input information means electrically connected to the central processing unit, for inputting background information relating to the pregnant woman and the pregnant woman's level of free beta HOG to said central processing unit; and

video display means electrically connected to said central processing unit;

said central processing unit includes :

a computer program for processing said background information relating to their pregnant woman and comparing the pregnant woman's level of free beta HCG to the reference data to calculate the pregnant women's risk of carrying a fetus with the fetal chromosomal abnormality; and

means for displaying the calculated risk on said video display means.

(Compl. Specn. 53 pages; drgs, 14 sheets).

Ind. Cl. 32 F 2 (b) 177669.

Int. Cl.[4] : A 61 K 31/675, C 07 F 9/08, 9/16, 9/28.

"A PROCESS FOR THE PREPARATION OF NOVEL PHOSPHOLTPID DERIVATIVES".

Applicant : ASTA MEDICA AKTIENGESELLSCHAFT, OF AN DER PIKARDIE 10, DRESDEN. GERMANY.

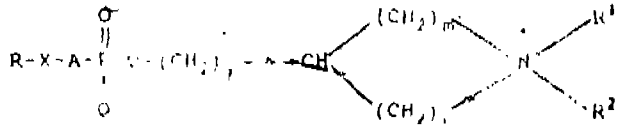
Inventors ; 1. GERHARD NOSSNER, 2. BERNHARD KUTSCHER, 3. JURGEN ENGEL, 4. WOLFGANG SCHUMACHER, 5. JURIJ STEAKAR, 6. PETER HILGARD.

Application for Patent No. 306/Cal/1993 filed on 1st June, 1993.

Appropriate office for opposition proceedings (Rule 4. Patent Rules, 1971) Patent Office, Calcutta.

8 Claims

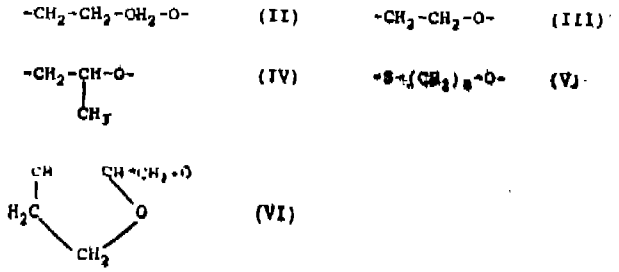
1. A process for the preparation of Compounds of general formula I :



in which R is a linear or branched alkyl radical having 10 to 24 carbon atoms, which can also contain one to three double or triple bonds,

R^1 and R^2 independently of one another are hydrogen or in each case a linear, branched or cyclic saturated or unsaturated alkyl radical having 1 to 6 carbon atoms, which can also contain a Cl, OH or NH^2 group, it also being possible for two of these radicals to be bonded together to form a ring,

A is a single bond or one of the groups of the formulae



the groups (II) to (VI) being oriented in such a way that the oxygen atom is bonded to the phosphorus atom of compound (I),

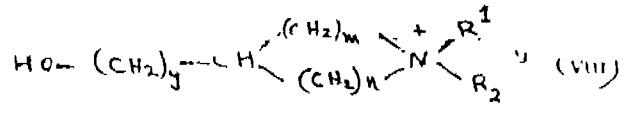
X is an oxygen or sulphur atom or NH when A is a multiple liquid, at an oxygen or sulphur atom when A is one of the groups (II) to (IV),

Y is equal to O or a natural number between 1 and 3, and m and n independently of one another are O or natural numbers, with the proviso that m+n=2 to 8.

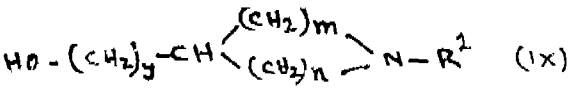
wherein a compound of the general formula

R-X-A-H (VII)

in which R, X and A are as defined before, is reached with phosphorus oxytrichlorlde in the presence of a suitable auxiliary base, with or without a solvent, and then reacted with a compound of the general formula



or optionally compounds of the general formula



in which R^1, y m and n are as defined before, can be reacted, compounds of general formula (1) in which R^1 and/or R^2 are hydrogen being reacted with alkylating agents R^2-Y, in which R^2 is as denned before, and Y is C, bromine, idoine, tosyl or mesyl, in a manner known per se.

Ind. Cl. : 32 F^2a+55 E^4 177670

Int. $Cl.^4$: A 61 K 39/00, C 07 H 19/067, 19/073.

"THE PROCESS OF PREPARING A PHARMACEUTICAL COMPOUND FOR TREATMENT OF CHEMOTHERAPEUT1C AGENT AND ANTIVIRAL AGENT TOXICITY".

Applicant : PRO-NEURON, INC., OF 1530 E. IEFFERSON STREET, ROCKVILLE, MARYLAND 20852, UNITED STATES OF AMERICA,

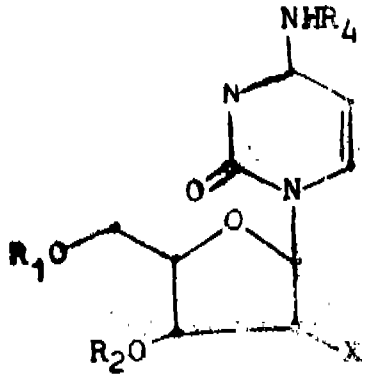
Inventor : 1. REID WARREN VON BORSTEL, 2. MICHAEL KEVIN BAMAT.

Application for Patent no. 701/Cal/1994 filed on 2nd Sept, 1994, Divided out of no. 473/Cal/92 Ante-dated to 6-7-92.

Appropriate office for opposition proceedings (Rule-4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

1. The process of preparing a pharmaceutical compound for treatment of chemotherapeutic agent and antiviral agent toxicity, which compound is an acyl derivative of a cytidine or deoxycytidine nucleoside having the formula :



wherein $X=OR_3$ or H ; and wherein at least one of R_1, R_2, R_3 or R_4 is a hydrocarbyloxycarbonyl moiety containing 2-26 carbon atoms and the remaining R substituents are independently a hydrocarbyloxycarbonyl or hydrocarbylcarbonyl moiety or H or phosphate, said process comprising reacting the nucleoside with a carbylchloroformate having 2-26 carbon atoms in the carbyl moiety, in a solvent such as pyridine or pyridine plus dimethylformamide under anhydrous conditions; removing the solvent under vacuum; and purifying the residue by column chromatography.

Dated this 2nd day of September 1996.

Ind. Cl. : $140A^2$ 177671

Int. $Cl.^4$ C10 $M^2135/02$, 135/06.

AN ASPHALT COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKEI AND BOULEVARD, WICKLIFFE, OHIO-44092, U.S.A.

Inventors: STEPHEN AUGUSTINE DIBIASE, ROGER LEE SOWERBY, WILLIAM ALBERT HIGGINS.

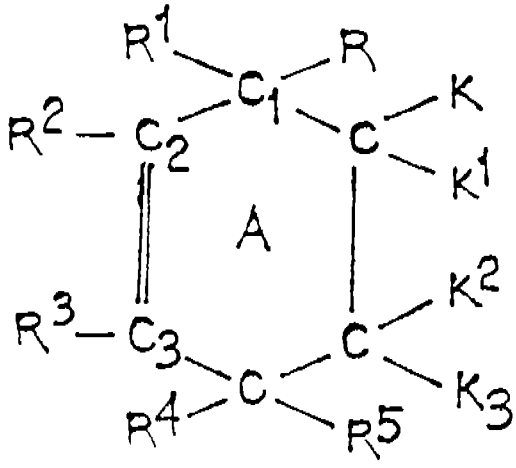
Application for Patent No, 344/Del/89 filed on 17-4-1989 ANTE DATED 10-7-86.

Divisional to : 607/DEL/86 filed on : 10-7-1986

Appropriate office for opposition proceedings (Rule 4, Patents Rules. 1972) Patent Office Branch. New Delhi-110 005.

30 Claims

An asphalt composition comprising an asphalt and 0.01 to 20% by weight of a sulfurised composition which is the reaction product of a sulfurizing agent such as herein described and (A) at least one fatty acid ester of a polyhydric alcohol, (B) at least one fatty acid, fatty acid ester of a monohydric alchohol, or a mixture thereof, (C) at least one olefin, (D) at least one salt of at least one dithio-carbamic acid of the formula R_1 (R_2)N-CSSH wherein R_1 and R_2 are each independently hydrocarbyl groups, (E) at least one mercapto benzothiazole.



(Complete Specification : 79 pages Drawing Shoots : 2

Ind. Cl. : 206 E 177672

Int. Cl.[4] : G 09 F 9/33

DIGITAL DISPLAY SYSTEM FOR DRIVING A RASTER SCAN DISPLAY DEVICE.

Applicant : INTERNATIONAL BUSINESS MACHINES' CORPORATION A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK. UNITED STATES OF AMERICA OF ARMONK NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors : JEANNE ELLEN MOREL
DARWIN PRESTON RACKLEY
STEPHEN WAYNE TRYNOSKY
WILLIAM ALLIAN WALL.

Application No. 110/Del/88 filed on 9 February 1988,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

1. A digital display system for driving a raster scan display device which comprises :

a refresh store (10—13) for storing picture element data at locations corresponding to locations of associated picture elements on said display device.

means (14) connected to said refresh store for reading consecutive picture element data groups from said refresh store to form data groups at a first clock frequency.

means (21-24, 31,581 connected to said reading means for converting said data groups to picture element drive signal groups for the display device and

switching means (35) connected to said converting means for switching said converting means between a first mode as defined herein in which each said data group is converted to an individual picture element drive signal group delivered to the display device at said first clock frequency, and a second mode as defined herein in which 2n successive data groups arc merged together to generate a corresponding individual picture element drive signal group which is delivered to the display device at a 2nth sub-harmonic of said first clock frequency, where n is a positive integer.

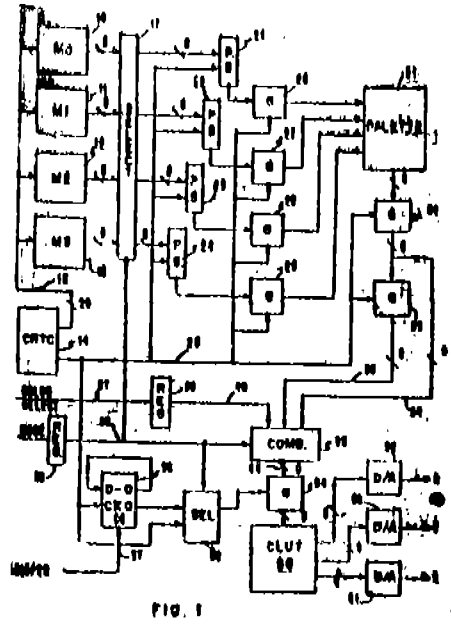


FIG. 1

Compl. Specn. 17 pages Drgs. 2 sheets

Ind. Cl. : 185E. 177673

Int. Cl.[4] : A23F 5/36.

A METHOD OF HYDROLYZING A COFFEE EXTRACTION RESIDUE MATERIAL TO PRODUCE MANNAN OLEGOMERS.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS. NEW YORK, UNITED STATES OF AMERICA.

Inventors : CHARLES VON FULGER, HOWARD DAVE STAHL, EVAN JOEL TUREK AND RENEE HAYHA.

Application for patent No. 178 DEL 87. Filed on 02 MAR 1987,

Divisional to patent No. 750 DEL 84 Filed on 25:9-84.

ANTE-DATED TO 25 SEPT. 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

A method of hydrolyzing a coffee extraction residue material such as herein described to produce mannan oligomers from DP 1 to DP 10 which comprises :

(a) slurrying the coffee extraction residue material in a liquid as herein described to between 5% and 60% by weight dry basis, residue material ;

(b) hydrolysing the slurry in a reactor at a temperature between 160°C and 260°C for from 6 seconds to 60 seconds at a pH less than about 4 in the presence of carbon dioxide as an acid catalyst;

(c) discharging the slurry from the reactor through an orifice so that the pressure is rapidly reduced to atmospheric, rapidly quenching the hydrolysis reaction; and

(d) separating hydrolyzed coffee extraction residue material from the discharged slurry, characterised by simultaneously heating of the slurry with carbon dioxide as an acid catalyst and by carrying

out the step of separation of the hydrolysed coffee extraction residue material from the discharged slurry without neutralising it to product the mannaa oligomers from DP 1 to DP 10.

(Complete Specification 25 pages Drawing sheet-NIL).

Ind. Cl. : 170 D. 32 E 177674

Int. Cl^4 : C 11 D-l/28, 1/41.

LAUNDERING COMPOSITION AND PROCESS OF PREPARATION AND USE,

Applicant : THE PROCTER & GAMBLE COMPANY. OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor : RENE MALDONADO TAON TRINH AND EUGUENE PAUL GOSSELINK.

Application for Patent No. 857/Del/88 filed on 7th October, 1988.

Appropriate Office for Opposition Proceedings [Rule 4, Patents Rules, 1972] Patent Office Branch, New Delhi-110 005.

Claims-2

A process for the preparation of oligomeric or polymeric eaters having terminal units and a substantially linear said esters being useful as solid-release agents in domestic laundry operations, which process comprises mixing in the molten state:—

(a) at east one sulphobenzolyl end-capping reactant elected from the group consisting of sulphobenzole acid derivatives of the formula (MO_3S) (C^6H^5) C (O) OR wherein M is a salt-forming cation and R is H or a C_1 to C^4 alkyl group;

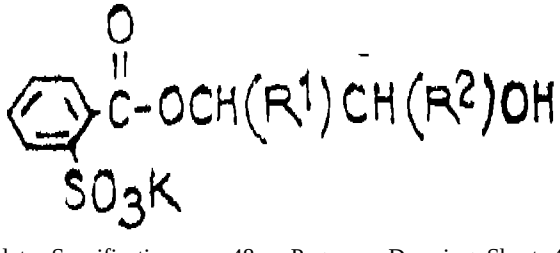
(b) at least one glycol reactant selected from the group consisting of 1, 2-propylene glycol and mixtures thereof with ethylene glycol having a 1, 2-propylene glycol : ethylene glycol molar ratio ranging from 1:7 to 1:0; and

(c) at least one aryldicarboxylate reactant selected from the group consisting of dimethyl terephthalate and terephthalic acid,

and transesterifying and oligomeristing the mixture in one or more steps in the pretence of a catalytic amount of at least one conventional polyester transestrification and oligomerisation catalyst using conventional vaccum or inert gas sparging techniques to maintain forward reaction,

said reactants being combined in a molar ratio of said glycol reactant to said aryldicarboxylate reactant of from 10 : 1 to 1.5 : 1 and of said glycol reactant to said sulphobenzoyl end-capping reactant of from 40 : 1 to 1.5 : 1, all provided that a homogeneous melt it formed at temperatures ranging from 150°C to 260°C when a high ratio of ethylene glycol to 1, 2-propylene glycol is used or at temperature from 150°C to 240°C when ethylene glycol to not used; and further provided that said sulphobenzoyl end-capping reactant, said glycol reactant and said aryldicarboxylate reactant are selected and reacted subject to the condition that during said process not component of the reaction mixture present as added or as formed at levels in excess of about 20% by weight; remains unmelted or is subjected thermal decomposition.

I



(Complete Specification : 48 Pages, Drawing Sheet 4)

Ind. Cl. : 40 F 177675

Int. Cl.[4] : C 01 G, 57/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF ALKALINE EARTH HALO PHOSPHATE PHOSPHORS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110 001, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : RAVILISETTY PADMANABHA RAO, RANGARAJAN JAGANNATHAN, VANNIYUR KRISHNASWAMY VENKATESAN, KAILATHUVALAPPIL INNIRI VASU.

Application No. : 968/Del/88 filed on 7-11-88.

Complete Specification after Pronl. filed on 7-2-90.

Appropriate Office for Opposition Proceedings [Rule 4 Patents Rules, 1972] Patent Office Branch, New Delhi-110 00

Claims 6

An improved process for the preparation of alkaline earth halophosphate phosphors which comprises preparing a solution of an alkaline earth hydrogen phosphate by conventional methods, reacting the said solution of alkaline earth hydrogen phosphate with an alkaline earth chloride, alkali carbonate and Eu^2O_3 at a temperature between 900°-1300°C for a period of 0.5-4 hrs in an inert atmosphere and crushing, washing and drying the resultant product.

(Provisional Specification 7 Pages, Drawing Sheet Nil)

(Complete Specification 8 Pages, Drawing Sheet one)

Ind. Cl. : 40 B 177676

Int. Cl^4. : C11C 3/14.

METHOD FOR ISOMERIZING WAX TO LUBE BASE OILS USING AND ISOMERIZATION CATALYST.

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF P. O. BOX 309, FLORHAM PARK, NEW JERSEY 07932, UNITED STATES OF AMERICA.

Inventor : (I) IAN ALFRED CODY, (II) GLEN PORTER HAMNER, (HI) TAMES 10HN SCHORFHEIDE,

Application No. 1093/Del/88 filed on 13-12-88.

Appropriate Office for Opposition Proceedings [Rule 4. Patents Rules, 19721 Patent Office Branch, New Delhi-110 005.

Claims 06

An improved method for producing lube oil base stocks of blending stocks which comprises isomerizing wax under conventional isomerization conditions characterised in that said isomerization is carried out in the presence of a hydrogenation metal loaded fluoride alumina or material containing alumina catalyst which catalyst as introduced to waxy feed is characterized by possessing (1) a maximum hydrate level of 60 determined as the relative amount of hydrate represented by a peak in the X-ray diffraction (XRD) pattern at 5.66A peak height exhibited in the XRD by a standard material constituting 0.6 wt% Pt on 150m^2/gy alumina containing 7.2wt% fluorine wherein the fluorine has been deposited using an aqueous solution containing a high concentration of HF and the materiel dried at 150 C for 16 hours: (2) a maximum surface nitrogen content N/A1 ratio of 0.01 as determined by X-ray Photo electorn spectroscopy: (3) a bulk fluorine concentration of between 2 to 10 wt.% and (41 a surface fluorine concentration defined as the amount of fluorine present in a layer between the surface of the catalyst to a depth of about 1/100 inch of less than about 3 wt % pro-

vided that the surface fluoride concentration is less than the bulk fluoride concentration.

(Comp. Specn. 22; Drawings—)

Ind. Cl.: 194 B 177677

Int. Cl.[4] : H 04 N 5/00.

A TRAVELING-WAVE TUBE FOR CONFINED-FLOW.

Applicant: HUGHES AIRCRAFT COMPANY, OF 7200 HUGHES TERRACE, LOS ANGELES, CALIFORNIA 90045-0066, U.S.A.

Inventor : KURT AMBOSS & JOHN A. DAVIS.

Application for Patent No. 249/Del/89 filed on 15 March 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi.

8 Claims

A traveling-wave tube with periodic permanent magnet focusing means for confined-flow comprising .

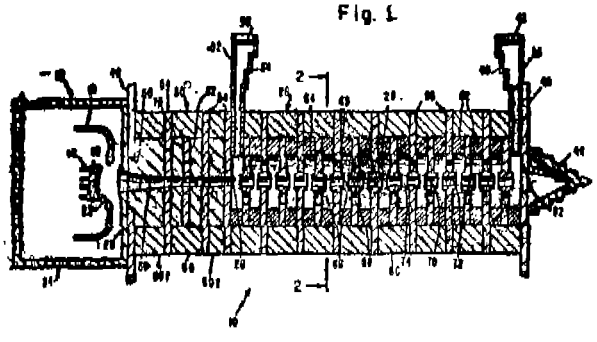
electron gun means for generating a stream of electrons along a predetermined axial track;

collector means provided at the end of said tract remote from said electron gun means for collecting electrons of said stream;

a first ferromagnetic pole piece provided along said track immediately downstream from said electron gun means, a second ferromagnetic pole piece provided along said track immediately upstream from said collector means, and a plurality of intermediate ferromagnetic pole pieces provided at respective spaced locations along said path between said first and second pole pieces, said first, second and intermediate pole pieces having respective aligned apertures along said track to provide a passage for said stream of electrons;

a plurality of permanent magnets respectively interposed between and abutting adjacent ones of said pole pieces with like poles of adjacent magnets confronting one another, the extent along said axial track of at least selected ones of said magnets in said series being such as to provide a magnet potential of essentially zero on said first pole piece; and

a slow-wave structure provided along and about said track and adjacent to at elast a portion of said series of magnets for propagating electromagnetic wave energy in such manner that it interacts with said stream of electrons.



(Comp. Specn. 21 Pages; Drwg. sheets 5)

Ind. Cl.: 194 C^1 177678

Int. Cl.[4]: H01J 24/00 31/00.

CLEANING DEVICE FOR SEALING PORTION OF PANEL OF COLOR CATHODE RAY TUBE.

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD, A KOREAN CORPORATION, 575 SHIN-RI, TAEAN-EUB. HWASEONG-GUN, KYUGGI-DO, KOREA.

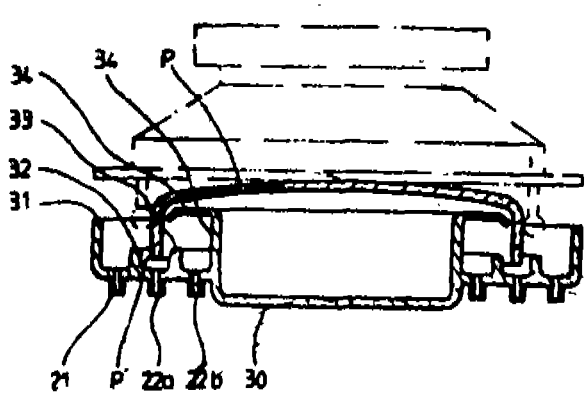
lnventor(s) : (1) KI-TAEK LIM.

Application for Patent No. 1153/Del/89 filed on 6th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent! Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A cleaning device for a sealing portion of a panel of a color cathode tube, comprising: meant for removing the adhered graphite residuum from said sealing portion by supplying cleaning fluid to said sealing portion, characterized in that an inlet tube for supplying cleaning fluid to said sealing portion mounted outside said sealing portion of said panel so that said cleaning fluid is contacting said sealing portion, and discharge tubes for recovering said cleaning fluid after laid contact with said sealing portion, one of said discharge tubes being provided substantially below said sealing portion and the other of said discharge tubes being mounted inside said sealing portion.



(Compl. Specn. 11 pages; Drwgs. Sheets 2)

Ind. Cl. : 23E 177679

Int. Cl.: B63D 27/00.

FLEXIBLE INTERMEDIATE BULK CONTAINER.

Applicant: NORSK HYDROA .S OF BYGDOY ALLE 2, 0257 OSLO 2, NORWAY.

Inventors: OLAF STRAND, BJARNE OMDAL.

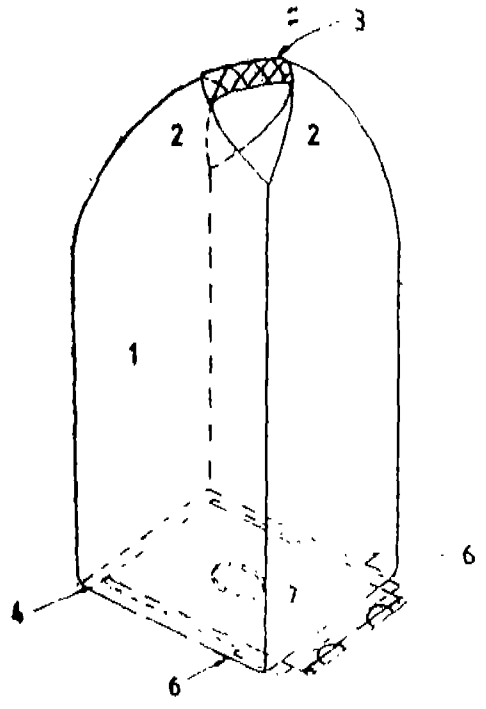
Application for Patent No. 1189/Del/89 filed on 14-12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110003.

3 Claims

A flexible intermediate bulk container (FIBC) comprising at least one lifting loop (2) and a double base structure formed by two bottom parts (A), characterised in that each of the bottom parts (4) has openings (5) positioned directly above each other to form an opening in the base of the container, and that between said bottom parts (4) there is provided closure means (7) of flexible material with projections (8) on each side of said closure means (7) at edges thereof, said closure means being joined to the base by fastening means (6)

and a handle (9) being positioned at the other edge of said closure (7).



(Compl. Specn. 6 pages; Drwg 1 sheet)

Ind. Cl. : 55 E^2+E_4 177680

Int. Cl.[4] : C0 7K, 5/10

A PROCESS FOR THE SYNTHESIS OF N-a GLYCYL, N-(L-ALANYL- D-SOGLUTAMINYL)- L-LYSYL-N-ALKYL AMIDES POSSESSING HIGH IMMUNOSTIMULANT ACTIVITY.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE LAWS REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

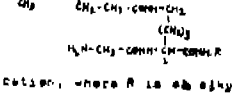
Inventors: WAHAJUL HAQ, ANJU PURI BIJOY KUNDU, RAM PRAKASH SAXENA, ARUNA KAPIL, KRISHNA BEHARI MATHUR AND KRISHNA CHANDRA SAXENA.

Application for Patent No. 434/Del/90 filed on 8 May 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

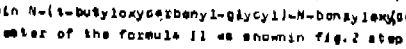
(CLAIMS 5)

A process for the synthesis of novel N$^{\alpha}$ glycyl, N$^{\epsilon}$(L-alanyl D-isoglutaminyl)-L-lysyl-N-alkyl amides of general formula shown in fig.1 of the drawings



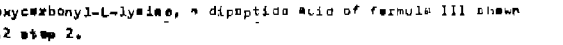
accompanying this specification, where R is an alkyl radical containing of 4-18 carbon atoms which comprises

a) reacting t-butyloxycarbonyl glycine with N$^{\epsilon}$ benzyloxycarbonyl-L-lysine methyl ester by any conventional peptide coupling procedure to obtain N-(t-butyloxycarbonyl-glycyl)-N-benzyloxycarbonyl-L-lysine methyl ester of the formula II as shownin fig.2 step 1.



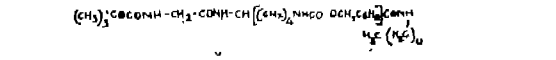
II

b) treating the ester of formula II with aqueous alkali in the presence of a solvent to get N$^{\alpha}$(t-butyloxycarbonyl-glycyl)-N$^{\epsilon}$-benzyloxycarbonyl-L-lysine, a dipeptide acid of formula III shown in fig.2 step 2.



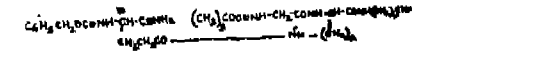
III

c) reacting the dipeptide acid of the formula III with an alkyl amine by any conventional peptide coupling procedure to obtain N$^{\alpha}$(t-butyloxycarbonyl-glycyl)-N$^{\epsilon}$ benzyloxycarbonyl-L-lysyl-N-alkylamide of the formula IV as shown in fig.2 step 3.

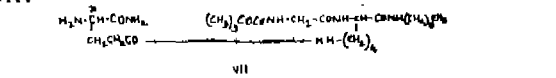


d) treating N$^{\alpha}$(t-butyloxycarbonyl-glycyl)-N$^{\epsilon}$benzyloxycarbonyl-L-lysyl-N-alkylamide of the formula IV with H_2 over Pd/C in the presence of AcOH followed by treating the resultant product with N-methylmorpholine to get N$^{\alpha}$(t-butyloxycarbonyl-glycyl)-L-lysyl-N-alkylamide of the formula V as shown in fig.2 step IV.

e) reacting the compound of formula V with the mixed anhydride obtained from benzyloxycarbonyl-D-isoglutamine and isobutylchloroformate in the presence of N-methylmorpholine to get the protected tripeptide N$^{\alpha}$(t-butyloxycarbonyl glycyl-N$^{\epsilon}$(benzyloxycarbonyl-D-isoglutaminyl)-L-lysyl N alkylamide of the formula VI as shown in fig.2 step V.

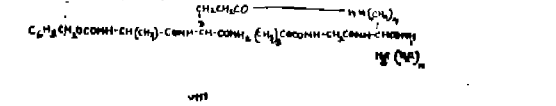


f) treating the compound (tripeptide) of formula VI with H_2 over Pd/C in the presence of AcOH followed by treating the resultant product with N-methylmorpholine to get tripeptidemine N$^{\alpha}$ (t-butyloxycarbonyl-glycyl)-N$^{\epsilon}$ (D-isoglutaminyl)-L-lysyl N-alkylamide of the formula VII.



VII

g) reacting the tripeptide amine of the formula VII with N-hydroxysuccinimid ester of benzyloxycarbonyl-L-alanine to obtain the lipopeptide N$^{\alpha}$(t-butyloxycarbonyl-glycyl)-N$^{\epsilon}$ benzyloxy carbonyl-L-alanyl-D-isoglutaminyl-L-lysyl N-alkylamide of the formula VIII.



VIII

h) treating the lipopeptide of the formula VIII with HBr/AcOH to get the desired lipopeptide of the formula shown in fig.2 step (VIII),

I

then removing excess HBr/AcOH by conventional methods to get N$^{\alpha}$ glycyl-N$^{\epsilon}$ (L-alanyl-D-isoglutaminyl)-L-lysyl-N-alkylamide of general formula I shown in fig.1 where R is an alkyl radical having the meanings given above.

(COMPLETE SPECIFICATION 12 PAGES & DRAWING SHEETS - 3)

Ind. Cl. : 68 E_1 177681

Int. Cl.[4] : H 01 H 47/04

AN ELECTRICAL DEVICE FOR CONNECTING A POWER SOURCE TO A LOAD,

Applicant : EATON CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 1111 SUPERIOR AVENUE, CLEVELAND, OHIO 44114. UNITED STATES OF AMERICA.

Inventors: (1) MARLAN LEE WINTER (2) MARK EDMUND INNES. (3) JOSEPH CHARLES ENGEL. (4) GARY FRANCIS SALETTA (5) EDWARD CLARK PRATHER (6) RICK ALAN HURLEY.

Application No. 902/Cal/91 filed on 4-12-1991.

Appropriate office for opposition proceedings (Rule 4. Patents Rules 1972) Patent Office, Calcutta.

5 Claims

An electrical device for connecting a source of electrical power to an electrical load having one or more pairs of separate main contacts, an electromagnet comprising an armature mechanically interlocked with said one or more pairs of separable main contacts, said armature being movably mounted to allow said one or more pairs of separable main contacts to be placed in a CLOSED position or alternatively in an OPEN position and a solenoid coil for controlling the movement of said armature, and current regulator circuitry for regulating the electrical power applied to said solenoid coil during both the closing and hold in condition, characterized in that said circuitry comprises means C04 for connecting said solenoid coil to a solenoid source of electrical power when said connecting means is enabled ; a sensor for sensing the electrical current applied to said solenoid coil and being adapted to convert said electrical current to a voltage propertional to the magnitude of said current : a timing circuit adapted on power-up to enable said connecting means CO4 and a control circuit responsive to said voltage to cause said timing circuit to disable said connecting means for a predetermined time period during which the electrical current in said solenoid coil is allowed to decay, said timing circuit being adapted at the end of said predetermined time period to re-enable said connecting means when the cycle is repeated.

(Compl. Specn 30 pages; Drgs. 48 sheets)

Ind. Cl. : 151 G 177682

Int. Cl.[4] : G 01 M 3/02 ; F 17 D 5/00

A PORTABLE GAS LEAK DETECTOR FOR LPG CYLINDERS.

Applicant : DURAIRAJ RAJAN AVINASH, AN INDIAN C/O DR. JOYCE SIROMANI, 38N, NEW BALLYGUNJE ROAD, CALCUTTA-700 039, WEST BENGAL, INDIA.

Inventor : DURAIRAJ RAJAN AVINASH.

Application No. 023/Cal/1992 filed on 13-1-1992.

Complete after provisional left on 24-3-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office. Calcutta.

6 Claims

A portable gas leak detector for LPG cylinders to detect leakage at 'O' ring and valve of the LPG cylinder comprising :

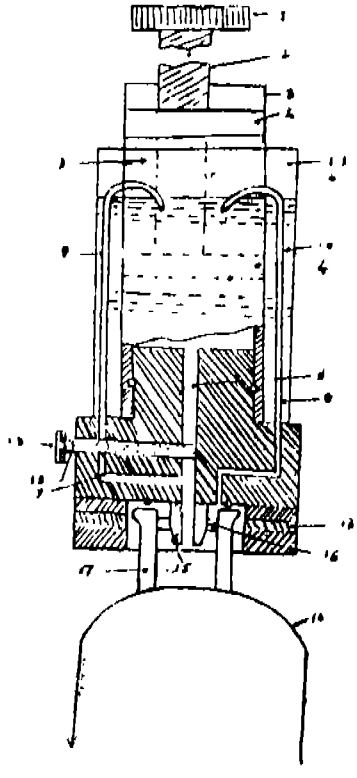
(a) a hand pump comprising a pump cylinder (3) in which a piston (4) is slidable, and a hand wheel (1) connected to said piston for moving said piston in said pump cylinder ;

(b) a base block (5) provided at the base of said pump cylinder ;

(c) said base block having a central channel (6) for communication with a central outlet (15) of said LPG Cylinder and a side channel (8) extending upto the base of the block open at its lower end so that its opening will be on top of 'O' ring provided at the neck of the LPG cylinder;

(d) said central channel (6) having a by pass channel (70) which could be opened or closed by a regulating valve :

(e) two bent tubes (9, 10) connected to the upper ends of said by-pass channel and said side channel, said bent tubes having their open ends immersed in a liquid such as water or kerosene stored in a transparent annular jacket provided around said pump cylinder (3).



(Com. 8 Pages, Drgs. 1 sheet)

Ind. Cl. : 206 D 177683

Int. Cl.[4] : G 05 F 03/26

DEVICE FOR GENERATING VERY SMALL CURRENTS :

Applicant: DEUTSCHE THOMSON-BRANDT GMBH D-7730 VILLINGEN-SCHWENNINGEN, GERMANY, A GERMAN COMPANY.

Inventors : (1) RUDOLF KOBLITZ (2) VOLKER NEIB-

Application No. 230/Cal/1992 ; filed on 6 Apr. 1992.

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta.

5 Claims

A device for generating a very small or reduced current (I out) with means for current reflaction (13, 23, 33) and means for modifying the size (14, 24, 34) of the reflected current connected thereto, whereby the ratio of a reference current (I ref) fed into the current reflection means to the reduced current (I out) and can be adjusted using a component resistor (R) contained within the size modification means, characterised in that, second current balancing transistor means (28, 38) is connected via a second component resistor (R') to the first current transistor means (23, 33) which second means controls second size modification means (27, 37)-in particular a transistor-which is connected to the component resistor (R) in the size modification means and which makes available a current (I out) further reduced compared with the reduced current (I out) and dependent on the reference current (I ref), and further reduced current being variable dependent upon size of the component resistor (R) and/or the second component resistor (R') in the sire modification means, such that in the case of

equality of said component resistors the ratio of the reference current (I ref) to the reduced current (I out) i« equal to a ratio of the reduced current (I out) to the further reduced current (I out').

(Com. 9 pages. Drgs. 1 Sheet)

Ind. Class : 187 E^2 ; 147 E 177634

Int. $Cl.^4$: H 04 R 25/00

LOUDSPEAKER.

Applicant : SOUND ADVANCE SYSTEMS, INC. A CALIFORNIAN CORPORATION OF 3202 SOUTH SHANNON STREET, SANTA ANA, CALIFORNIA 92704 UNITED STATES OF AMERICA.

Inventors: (1) ALEJANDRO JOSE BERTAGNI (2) EDUARDO JOSE BERTAGNI (3) ALFERDO DAVID FERRIN.

Application No. 508/Cal/92 ; filed on 16 Jul 1992.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims

A loudspeaker comprising :

a- substantially planar diaphragm constructed from a first diaphragm member and a second diaphragm member joined together, each diaphragm member having a front surface and a rear surface, the front surface of the second diaphragm member being laminated to the rear surface of the first diaphragm member; and

an electromagnetic driver coupled to the rear surface of the second diaphragm member such that the driver will cause both diaphragm members to vibrate and reproduce sound in response to an electrical signal,

characterised in that the first and second diaphragm members are formed of a pre-expanded cellular plastic material having different densities for reproduction of specified frequency ranges of sound.

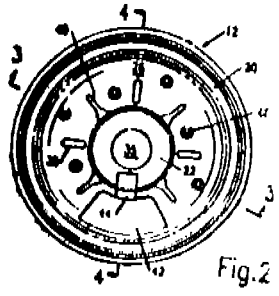


Fig.2

(Com. 14 Pages; Drgs. 1 sheet)

Ind. Cl. : 128 A 177685

Int. $Cl.^4$: A 61 F 13/18

METHOD FOR MANUFACTURING A LAYER OF A LAMINATED DISPOSABLE ABSORBENT PRODUCT.

Applicant: JOHNSON & 1OHNSON INC., A CANADIAN CORPORATION, OF 2155 BOULEVARD PIE IX, MONTREAL, QUEBEC, CANADA.

Inventors : (1) MICHAEL JOSEPH MENARD (2) PAUL FUNG (3) MICHAEL JOSEPH MENARD (4) HENRI BRISEBOIS.

Application No. 685/Cal/92 filed on 22 Sep. 1992.

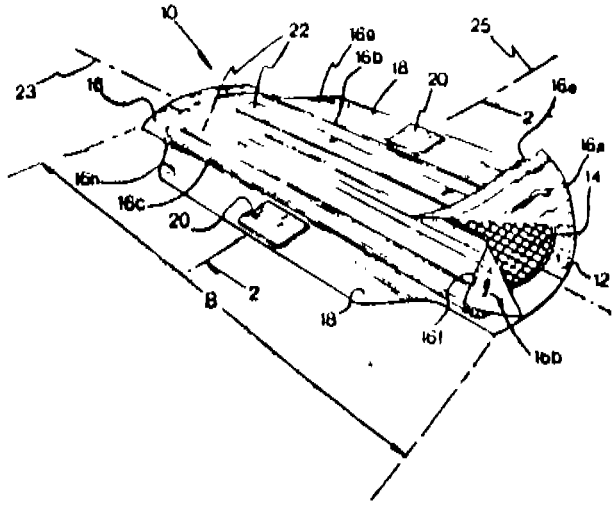
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims

A method for manufacturing a layer of a laminated, disposable absorbent product such as a fluid-permeable cover layer, an absorbent core layer or a fluid-impervlous backing layer, said layer having two opposite edges with inflected contours, said method comprising the steps of :

longitudinal cutting a continuous web according to a cyclic pattern comprising a combination of line segments corresponding to a selected section of said opposite edges, thereby dividing said web in two strips each strip having a patterned longitudinal edge whose outline corresponds to said cyclic pattern ;

reassembling said strips in a parallel and in a selected phase relationship, with the longitudinal edges thereof which are opposite said partterned edges placed in adjacency, to produce a compound web having longitudinal edges formed by said patterned edges which are longitudinally matched to repeatedly produce said selected section ; and transversely cutting said compound web at selected longitudinal positions to produce discrete layers.



(Com. 34 Pages; Drgs. 10 Sheets)

Ind. Class: 64-A ; 69-J 177686

Int. $Cl.^4$: H 01 H 1/02, 1/20

METHOD OF JOINING CONTACT FACINGS TO A CARRIER BY HARD SOLDERING.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 8000 MUENCHEN 2. GERMANY, A GERMAN COMPANY.

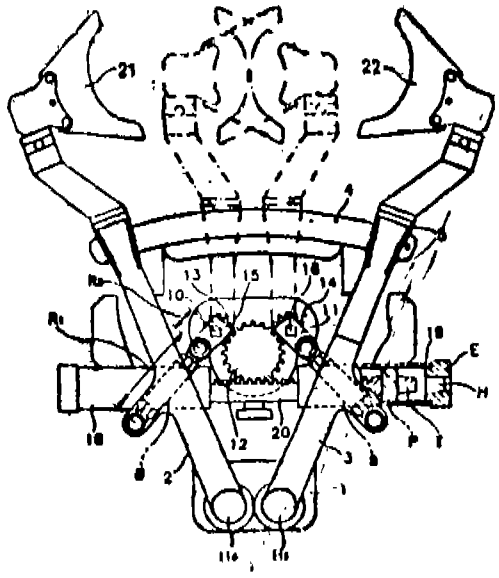
Inventors: (1) FRANZ HAUNER (2) MANFRED SCHNEIDER (3) ALFRED DOETZER.

Application No. 784/Cal/1992 ; filed on 26 Oct. 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims

Method of joining contact facings to a carrier by hard solde-ring, in particular contact facings of a material with a silver/metal oxide (AgMeO) base, in which the contact facings are provided with solder at their back, characterised in that before the soldering operation, the wettability of the contact facings at their side surfaces is worsened by introduction into the surfaces of the contact facings to worsen the wettability and to such an extent that the rising-up of solder to the switching surface is avoided.



Compl. Specn. 9 pages Drgs, Nil

Ind. Cl. : 39 E 177687

Int. Cl.[4] : C 01 F 7/06

A PROCESS OF PRODUCING A SODIUM OXALATE-FREE SOLUTION OF SODIUM ALUMINATE AS OBTAINED FROM THE BAYER CYCLE.

Applicant : ALUMINIUM PECHINEY, OF IMMEUBLE BALZAC, 10 PLACE DES VOAGES—LA DEFENCE 5, 92400 COURBEVOIE, XX FRANCE, A FRENCH COMPANY.

Inventors : (1) BENOIT CRISTOL (2) YVES MICHEL PERRET.

Application No. 31/Cal/93 filed on 20 Jan. 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta,

10 Claims

A process of producing a sodium oxalate-free solution of sodium aluminate from the known Bayer Liquor for the production of alumina from bauxite after the steps of decomposition and concentration of said liquor at a concentration of caustic soda expressed as Na_2O of between 170 and 250 g/1, which is intended to be recycled as an alkaline liquor, such as herein described, for attacking the bauxite , comprising precipitating the dissolved sodium oxaliate for attaining destabilitation of the state of supersaturation of the sodium oxalate, followed by separating biy filtration the sodium oxalate which is precipitated in that way, characterised in that the said liquor is first cooled to a temperature between 40 and 60°C and then brought into contact with an agent comprising finely divided lime compounds and optionally additives like magnesia for more than one hour for precipitating the sodium oxalate due just to the mechanical effect of liquor-solid contact.

Compl. 24 Pages Drgs. 1 sheet

Ind. Class: 129 M 177688

Int. Cl.[4] : B 23 P 15/40

APPARATUS FOR SHEARING A GOB.

Applicant: SAMSUNG CORNING CO. LTD., A KOREAN COMPANY, OF 472, SIN-RI, TAEAN-EUB. HWASUNG-KUN, KYUNGKI-DO, REPUBLIC OF KOREA.

Inventors: (1) HANCHEOL YEOM (2) HOSEONG LEE (3) YUCHEOL JEONG (4) HOYOUNG AN (5) JUHO CHOI (6) WONBO LEE.

Application No. 276/Ca1/1993 filed on 17-3-1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims

We claim

1. A gob shearing apparatus for providing a predetermined amount of a molten glass material vertically transferred from a feeder bowl comprising :

a pair of hydraulic reciprocating means for reciprocating a rack gear being common to the pair of the reciprocating means;

a driving pinion engaged with and rotated by the reciprocation of the rack gear;

a pair of driven pinion engaged with the driving pinion and rotated by the rotation of the driving pinion;

a pair of fourth link coupled to and co-rotated with the respective one of the pair of driven pinions;

a pair of third link linked to a respective one of the pair of fourth link for performing a link motion;

a pair of second link linked to a respective one of the pair of third link for performing a link motion ;

a pair of first link having middle portion linked to a respective one of the pair of second link for performing a link motion, a side end hinged on a supporting member for achieving a circular movement by the link motion, and a free end portion ;

a pair of cutting means for cutting the molten glass article, the cutting means being mounted on a respective one of the free ends of the pair of first link; and

a guide means for guiding the circular movement of the Brut links.

Ind. Cl. : 32 E. 177689

Int. Cl.[4]: C 08 F 2/00 4/42, 10/00. 12/00, 36/00.

PROCESS FOR PREPARING A POLYMER OR COPOLYMER OF OLEFINS IN THE FORM OF SPHERICAL PARTICLES.

Applicant: HIMONT INCORPORATED, A CORPORA. TION DULY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.. OF 2801 CENTERVILLE ROAD, NEW CASTEESCOUNTRY, DELAWARE, U.S.A.

Inventors:

(1) MARIO SACCHETTI.
(2) GABRIELE GOVONI.
(3) ANTONIO CIARROCCHI.

Application No. 817/Cal/1993; filed on 27-12-1993.

Divided out of application No. ?30/Cal/90 Ante-dated to 23-04-90.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972), Patent Office, Calcutta.

5 Claims

1. A process for preparing a polymer or copolymer of olefins in the form of spherical particles with an average diameter between 50 and 5000 μm, in which process the monomers are polymerized in a known manner in the presence of a catalyst comprising the product of the reaction between an Al-trialkyl compound and a solid catalyst component comprising an anhydrous magnesium chloride and, supported thereon, a titanium compound containing at least one Ti-halogen link and an electron-donor compound as herein described in molar ratio with the magnesium chloride between 1:4 and 1:20, said component being in the form of spherical particles with an average diameter between 10 and 350 μm, surface area between 20 and 250 m^2/g, porosity greater that 0.2 cc/g, having an X-ray spectrum where a) reflections at angle 2 ϑ of 35° and 2 ϑ of 14.95° are present, or b) where the reflection at 2 ϑ angle of 35° is substituted by a halo with a maximum intensity between angles 2 ϑ of 33.5° and 35°, and the reflection at angle 2 ϑ of 14.95° is not present, and being prepared by a process comprising the reaction among a titanium compound containing at least a Ti-halogen link, the said electron-donor compound and a $MgCl_2/ROH$ alcohol adduct, where R is an alkyl, cycloalkyl or alkylaryl radical with 1-12 carbon atoms, containing from 0.2 to 2 moles of alcohol per mole of $MgCl_2$, and having a surface area between 10 and 50 m^2/g, porosity (mercury) from 0.6 to 2.5 cc/g and pore volume distribution such that at least 50% of the pores have a radius greater than 10,000 Å.

Ind. Cl.: 55E-4, 32-F-3(a). 177690

Int. Cl.[4] : A 61 K 31/00, C 07 K 49/683.

A PROCESS FOR THE PREPARATION OF DIACEREIN FROM ALOIN.

Applicant : LABORATOIRE HEDYDON S.A. AVENUE DE CHAMPEL, 22, 24, 01211 GENEVE 12-SWITZERLAND, A SWISS COMPANY.

Inventor : GUIDO DI. NAPOLI.

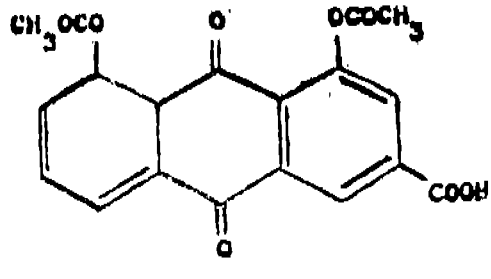
Application No. 69/Cal/95; filed on 23-01-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patent* Rules 1972). Patent Office. Calcutta.

23 V

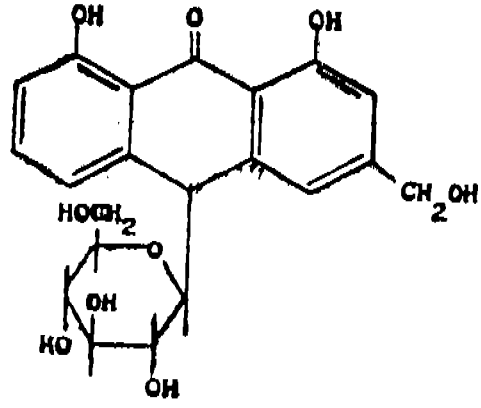
23 Claims

1. A process for the preparation of diacercin from aloin. i.e. of 1, 8-diacetoxy-3-carboxyanthraquinone, also known as diacereln, of formula (I)

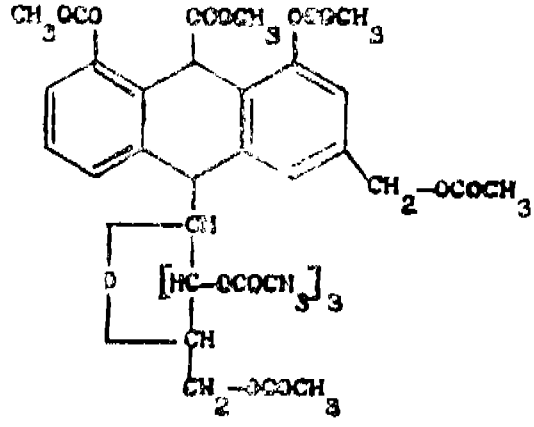


using aloin as the starting material, comprising :

(a) acetylation of aloin of formula (II)



by treatment with acetic anhydride as acetylating agent in a diluent, in the presence of a catalyst selected from the group consisting of sodium acetate, aromatic aminess, aliphatic amines, sulphuric acid, to obtain the corresponding acetylated product as per formula (III)



(b) treatment of acetylated product (III) with chromic anhydride as the oxiding agent, to give law diacerein ;

(c) purification of raw diacerein, is carried out by means of at least one crystallization from a solvent selected from the group consisting of 2-metboxyethanol and N. N-dimethylacetamide.

Ind. Cl.: 40 B 177691

Int. Cl.[4] : C 10 G 47/10.

A PROCESS FOR THE PREPARATION OF A HYDROCRACKING CATALYST COMPOSITION.

Applicant: UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE, OF DELAWARE IN THE UNITED STAFFS OF AMERICA, WITH ITS PRINCIPAL OFFICE LOCATED AT 15 EAST ALGONQUIN ROAD DES PLAINES, ILLINOIS, 60017-5017, UNITED STATES OF AMERICA.

Inventor: KARL ZEINER STEIGLEDER.

Application for Patent No. 334/Del/87 filed on 16 April 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

3 Claims

A process for the preparation of a hydrocracking catalyst composition which comprises forming in a manner known

per se, an intimate admixture of a conventional refractory inorganic oxide matrix with a first, conventionally known modified Y zeolite having a unit cell size in the range of 24.20 to 24.35 Angstroms and combining said intimate admixture with a catalytically effective amount of a convenional hydrogenation component, characterised in that prior to combining with said hydrogenation component, said intimate admixture is first combined in any manner known per se with a conventionally known second modified Y zeolite which is different from said first modified Y zeolite, said second modified Y zeolite having a unit cell size in the range of 24,20 to 24.35 Angstroms", wherein the unit cell size of said first and second modified Y zeolites arc different, the difference being at least 0.1 Angstroms, and the weight ratio of said first modified Y zeolite to said second modified Y zeolite is in the range of 0.1 : 1 to 10: 1.

(Compl. Specn. 21 pages; Drwg Sheets Nil)

Ind. Cl. : 140 A., 177692

Int. Cl.[4] : C10M 129/68

A LUBRICATING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION. OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A.

Inventor : RICHARD MISHAEL. LANCE.

Application for Patent No. 350/Del/87 filed on 22-4-87.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A lubricating composition, comprising :

an oil of lubricating viscosity, and from 0.01% to 10% by weight of an additive comprising

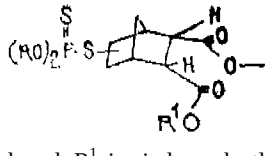
a dimer ester of the Formula I shown in the drawing

I

A–T–A

n A has the Formula IA

IA



in which R is alkyl, aryl or aralkyl and R^1 is, independently, hydrogen or hydrocarbyl and T is hydrocarbyl or the kind such as herein defined, said dimer ester being prepared by a process of the kind such as herein described.

Compl. Spcn. 39 pages Drgs. 3 sheets

Ind. Cl.: 185 E 177693

Int. Cl.[4] : A23F 5/36.

A METHOD OF PRODUCING EASILY SOLUBLE COFFEE GRANULES.

Applicant ; GENERAL FOODS CORPORATION, A CORPORATION, ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLA1NE, NEW YORK, 10625, UNITED STATES OF AMERICA.

Inventors: CHARLES VON FULGER, HOWARD DAVE STAHI, EVAN JOEL TUREK & RENEE BAYHA,

Application for Patent No. 366/Del/87 filed on 28th April 1987.

Divisional to application No. (161664) 750 Del/84 filed on 25th September 1984.

Ante-dated to 25-9-1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch. New Delhi-110 005.

2 Claims

A method of producing easily soluble coffee granules said method comprising :

(a) slurrying a coffee extraction residue material of the kind such as herein described in water to between 5% and 60% by weight on dry basis of residue material;

(b) adding an acid catalyst to the slurry in an amount sufficient to adjust the pH of said slurry to between pH 0.5 and pH4;

(c) feeding the slurry through a reactor at a temperature between 160°C and 260° in from 6 seconds to 60 seconds at a pressure between 6 atmospheres and 35 atmospheres to hydrolyze the mannan;

(d) discharging the slurry from the reactor through an orifice so that the pressure is rapidly reduced to atmospheric, quenching the hydrolyssis reaction;

(e) neutralizing the discharged slurry;

(f) separating hydrolyzed coffee extraction residue material from the mannan oligomers from DP 1 to DP 10 to produce mannan oligomers of purity in excess of 80% to obtain mannan oligomers characterised by combining the mannan oligomers solution with a soluble coffee and there after drying to produce easily soluble coffee granules.

(Compl. Specn, 25 pages; Drwg. Nil)

Ind. Cl. : 84 B, 140 A., 177694

Int. Cl.: C 01 G 23/00, 25/00,
C 10 L 1/10. l/30,
C 07 F 7/28.

A FUEL COMPOSITION FOR USE IN DIESEL ENGINES.

Applicant: THE LUBRIZOL CORP., OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 USA.

Inventor: GEORGE ROBERT HILL, USA; STEPHEN AUGUSTINE DI BIASH, USA; MARVIN (BRADFORD DeTar, USA,

Kind of Application : Complete.

Application for Patent No. 836/Del/87 filed on 22nd September 1987.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

20 Claims

A fuel composition for use in diesel engines particularly

effective in lowering the ignition temperature of exhaust

culates collected in diesel exhaust systems which compris

more than 50% by weight of a normally liquid fuel, and

an amount sufficient to provide from 1 to 5000 parts of titanium or zirconium per million parts of fuel of at least one titanium or zirconium complex having the Formula f of the accompanying drawings

1

$(RO)_X M(Ch)_y$

wherein R is an aliphatic group containing from 1 to 30, carbons atoms; M is titanium or zirconium; x is 1 or 2 Y is 2 or 3; x+y is 4: and Ch is derived from at least one metal chelating agent.

Ref: US Patent Nos. 4505718, 4162986, 3762890, 4202671. 4093614, 4077941, 3355270 and 3493508.

Agent : Remfry & Sons.

(Compl. Specn. 43 pages; Drwg; sheets 2)

Ind. Cl.; 54 & 127 1 177695

Int. Cl.: A 23 D 5/02.

COUNTINUASLY OPERATING EXTRACTION APPARATUS CAPABLE OF THE CHARGING THERETO AND THE DISCHARGING THEREFROM OF SOLID PRODUCTS TO BE PROCESSED THEREIN.

Applicant: BIOLANDES, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF LESEN. D-40420 LABRIT, FRANCE.

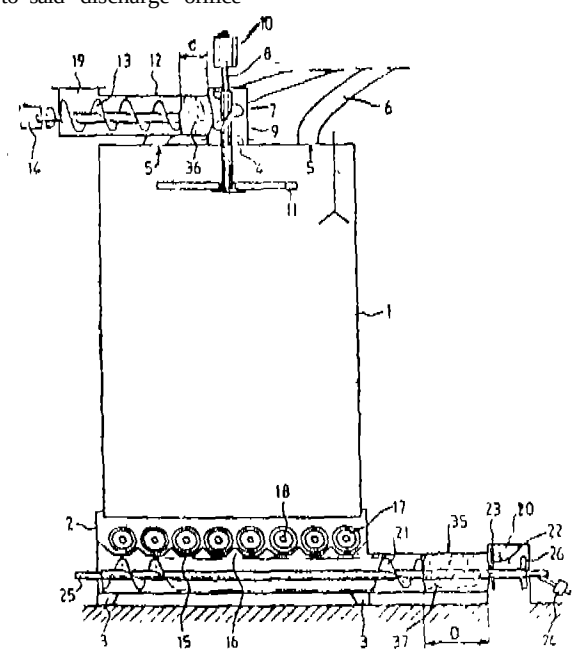
Inventor: DOMINJGUE COUTIERE.

Application No. 891/Del/88 filed on 17-10-88.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rules 1972). Patent Office Branch, New Delhi-5.

18 Claims

A continuously operating extraction apparatus capable of the charging thereto and discharging therefrom of solid products such as herein described to be processed therein by a fluid said apparatus comprising a chamber (1) constituting an extratction tank, said chamber (i) being provided with a feed orifice (4) at the top and a discharge orifice for the processed product at the botom (2), a feed housing (4) mounted about said feed orifice (4); an endless feeder screw (13) mounted within a feed tube (12) disposed horizontally above said chamber (1) said feed tube (12) having a feed opening (19) at one end with its other end being connected with and opening into said feed housing (9): complementary means in the form of a second endles screw (7) mounted on a rotating shaft (8) having a vertical axis and located within said feed housing (9). said shaft (8) extending beyond said feed housing (9) through said feed orifice (4) into said chamber (1) whereby products feed through said feed tube (12) are compressed bythe complementary action of said vertically and horizontally disposed screws (7, 13) info a plug (36) upstream of said feed orifice (4). which plug (36) is then admitted into said chamber (1) through said feed orifice (4); and collection menus (17, 18, 21) provided at the bottom (2) of said chamber (1) for collecting the proceed product and supplying it to said discharge orifice



(Comp. Specn. 16 Drwg 04)

Ind. Cl: 87 D 177696

Int. Cl.[4] : A63F 7/00, 7/24, A63H 29/00.

A TOY VEHICLE WITH WHEELS.

Applicant: INTERLEGO A.G., OF SIHLBRUGGSTRASSE 3, CH-6340 BAAR, SWITZERLAND,

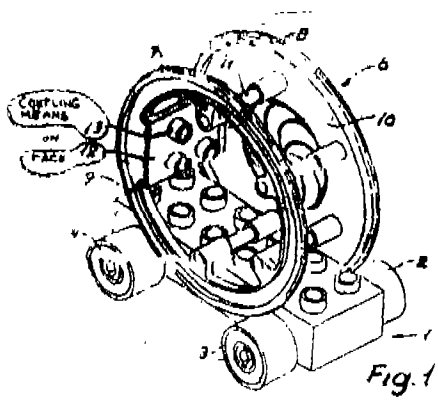
Inventors : IB HARTMANN BERGGREEN.

Application for Patent No. 1045/Del/88 filed on November 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, New Delhi-110 005.

5 Claims

A toy vehicle for use with a toy building set comprising a vehicle base having two opposed pairs of wheels, at least one face provided with mechanical coupling means located in a modular square pattern and adapted to co-operate by friction fitwithcorrespondingcouplingmeansontoyelementsofa toy building set, characterised in that said one face is provided on a rotatable part comprising a pair of ring-shaped roll paths connected together in side-by-side relationship and adapted to rest on the wheels so as to be rotated by the rotation of the wheels, when the vehicle is pulled across a substrate.



(Compl. Specn. 8 pages; Drwg. 2 sheets)

Ind. Cl.: 32 E. 177697

Int. Cl.[4] .- C 08 L 23/00, 23/04, 23/22.

A PROCESS FOR PRODUCING ISSOLEFIN POLYMERS.

Applicant: EXXON CHEMICAL PATENTS INC.. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1900 EAST LINDEN AVENUE, LINDEN, NEW JERSEY 07036, U.S.A.

Inventors:

1. KENNETH WILLIAM POWERS.
2. HSIEN CHANG WANG.
3. JAMES VINCENT FUSCO.
4. DEBRA CLARK HANDY.

Application No. 1014/Del/88 filed on 22-11-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patents Office Branch, New Delhi-110005.

11 Claims

A process for producing isoolefin polymers comprising of a C_4-C_7 issolefin homopolymer rubber, butyl copolymer rubber, or mixtures thereof, wherein (he molecular weight distribution of said rubber or said mixture is such that the ratio of the moments of said molecular weight distribution, Mz/

Mw, is equal to or exceeds 2.0 and that portion of said mole cular weight distribution which is equal to and greater than 4 times the peak molecular weight, Mr. comprises greater than 8 percent of the total polymer species, Mp is greater than about 250,000 and wherein said polymer species of molecular weight less than Mp are substantially branch free, wherein MIL Mw and Mz stand for the number average, weight average and Z average/moment respectively and Mp is the peak mole cular weight, said process comprising interpolating during polymerization of said homopolymer or butyl copolymer rub- ber a cationically functional reagent consisting of cationically active halogen or cationically active unsaturation such as here- in described at a concentration of 0.33 to 3.0% by weight, based on the weight of monomers to be polymerized.

(Compl. Specn. 80 pages; Drg. 3 sheets)

Ind. Cl. : 157 D. & D 66cc7, 177698

Int.Cl.[4] : FO 1D, 19/00.

DEVICE FOR FASTENING A RAIL .

Applicant ; ALLEVARD INDUSTRIES S.A. A CORPO- RATION ORGANISED UNDER THE LAWS OF FRANCE, OF CHEMIN DE MALACHER, 38243 MEYLAN, FRANCE.

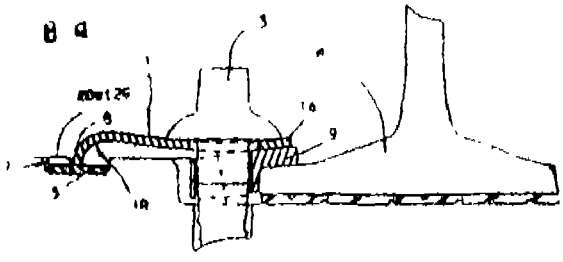
Inventors : PHILIPPE DUVAL, RENE DUCONSEIL .

Application for Patent No. 725/DEL/89 filed on 16-8-89.

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi- 110005.

4 Claims

Device for fastening a rail comprising a plate spring (1) with, a back heel portion (1R) a railway tie (2) clamping means (3) passing through an opening (4) formed in the plate spring (1) which when locked in position on the tie (2) enable said plate spring to press against the rai (R) and means for locking and pressing the back heel portion (1R) of the plate spring (1) on the tie (2) via a pressure distribut- ing swarf (5) characterised in that said locking and pressing, means comprise vertical projections (2D 2G) formed in, the tie (2) and defining a housing (70 for horizontally receiving said swarf (5) against which the back heel portion (1R) or the plate spring is brought to bear and the external edge (8) of the back heel portion (1R) of the plate spring (1) come in lateral bearing abutment on said projections (2D, 2G)



(Comp. Specn. 7 pages; Dry. 5 sheets)

Ind. Cl. : 9 E. 177699

Int. Cl.[4]. : C22C, 5/08.

CONTACT FORMING MATERIAL FOR A VACCUM INTERRUTER.

Applicant ; KABUSHIKI KAISHA TOSHIBA, A CORPO- RATION ORGANISED AND EXISTING UNDER THE JAWS OF JAPAN, OF 72, HORIKAWA-CHO, SAIWEI KU, KAWASAKI-SHI, KANAWAWA-KEN, JAPAN

Inventors : (1) TSUTOMU OKUTOMI
(2) ATSUSHI YAMAMOTO
(3) SEISHI CHIBA
(4) TSUNEYO SEKI
(5)MIKIO OKAWA
(6) MITSUTAKA
(7) HONMA
(8) KIYOFUMI OTOHE
(9) YOSHINARI SATOH
(10) TADAAKI SEK IGUCHI.

Application for Patent No. 730/DEL/89 filed on 17-8- 1989.

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi- 110 005.

9 Claims

A process for producing a contact forming material for a vaccum interrupter comprising a highly conductive compo- nent comprising Ag and Cu and an are proof component comprising WC, wherein the content of said highly conduc- tive component is such that the total amount of Ag and Cu (Ag & Cu) is from 25 % to 65 % by weight and the percen- tage of Ag based on the total amount of Ag and Cu (Ag/ (Ag+Cu) is from 10% to 80% by weight; the content of said are proof component is from 35% to 75% by weight; the structure of said contact forming material comprises a matrix and a discontinuous phase of said highly conductive compo- nent, said discontinuous phase having a thickness of width of no more than 5 micrometers, and a discontinuous grain of said are-proof component having a grain size of no more than 1 micrometer; and wherein said discontinuous phase of said highly conductive component is finely and uni- formly dispersed in said matrix at intervals of no more than- 5 micrometers, said process comprising compacting are-proof material powder into a green compact; sintering said com- pact to obtain a skeleton of the are-proof material; infiltral- ing the voids of said skeleton with a conductive material; and cooling the infiltrated material.

(Comp. Specn. 42 pages; Drgs. 1 sheet)

Ind. Cl. 146 D. 177700

Int. Cl.[4] : HOIS 3/00.

A LASER MICROBEAM MACHINE FOR ACTING ON THIN FILMS OBJECTS, IN PARTICULAR FOR CHEMI- CALLY OR DEPOSITING SUBSTANCE IN THE PRE- SENCE OF A REACTIVE GAS.

Applicant : BERTIN & CIE; A FRENCH COMPANY OF B.P. n[0] 3 78373 PLASISIR CEDEX, FRANCE.

Inventors. : (1) GEOFFROY AUVERT
(2) JEAN CLAUDE GEORGE.
(3) YVES GUERN.

Application for Patent No. 11662/DEL/89 filed on 8. Dec..

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch,, New Delhi- 110 005.

10 Claims

1. A laser microbeam machine for acting on thin film objects, in particular for chemically etching or deposition material in presence of a reactive gas, the machine compris- ing a reaction chamber constituted essentially by a scaled box closed by a thin transparent lid and receiving a thin film object and a reactive gas; a sealed enclosure containing the reaction chamber and having a wall carrying a microscope objective lens pointing towards the thin film object in the reaction chamber ;

a laser source outer the enclosure said laser source emitting a laser beam which is transmitted by optical means to the microscope objective lens, vaccum means connected to the reaction chamber and to the said en- closure for reducing pressure simultaneously both in the reaction chamber and in the enclosure and mans connected to the reaction chamber for inserting the re- active gas at low pressure into said reaction cham- ber.

(Comp. Specn. 14 pages; Drgs. 2 sheets.)

Ind. Cl. : 55 E_1, 32 F^2 177701

Int. Cl.[4] : A 61 K 39/00

A PROCESS FOR THE PREPARATION OF NOVEL COLEONOL -1-0 HEMISUCCINYL-BOVINE SERUM ALBUMIN PROTEIN BIOCONJUGATE USEFUL AS IMMUNOGEN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventors : JAI SHANKAR TANDON, INDIA : RAM ASREY VISHWAKARMA, INDIA : NEERAJ VARMA, INDIA : SARALA BALACHANDRAN. INDIA.

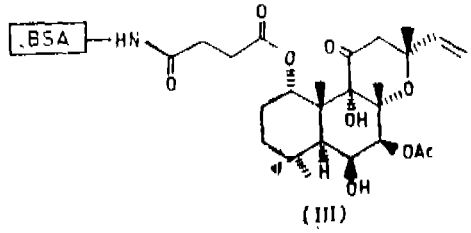
Kind of Application : Complete.

Application for Patent No. 818/Del/91 filed on 5-9-91.

Appropriate office for filing opposition proceedings (Rule 4,) 1972) Patent Office Branch, karol Bagh, New Delhi-110 005.

3 Claims

A process for the preparation of novel culeonol-1-0-hemisuccinyl-bovine serum albumin protein bioconjugate of the formula III, shown in the drawing accompanying the specification useful as immunogen, which comprises coupling of Coleonol-l-0-hemisuccinate of formula II wil,h bovine serum albumin protein in aqueous pyridine in presence of l-ethyl-3-(3-dimethylaminopropyl) carbodiimide at room temperature, disalysing and lyophilising the reaction mixture by known methods to yield bioconjugate of formula III.



(III)

Ref. NIL

Agent :

Compl. Specn. 6 pages Drgs. 1 sheet

Ind. Cl. : 55 (E^4) 177702

Int. Cl.[4] : A 61 K 37/58

CO7C 175/00.

A PROCESS FOR THE PREPARATION OF NEW STABLE AND WATER SOLUBLE SODIUM (1-0-COLEONOLOXY) HEM1SUCC1NATE, USEFUL AS ANTIHYPERTENSIVE DRUG AND PHARMACODYNAMIC AGENT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001.

Inventors : JAI SHANKER TANDON, INDIA; RAM ASREY VISHWAKARMA, INDIA ; RIKHAB CHAND SRIMAL, INDIA ; NEERAJ VARMA, INDIA ; SARALA BALACHANDRAN, INDIA.

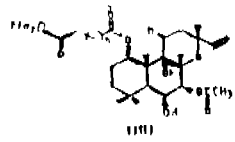
Kind of Application : Complete.

Application for Patent No. 821/Del/91 filed on 5-9-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bach New Delhi-110 005.

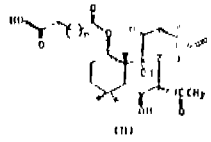
2 Claims

A process for the preparation of new, stable and water-soluble sodium (1-a-coleonoloxy) hemisuccinate useful as antihypertensive drug and pharmaco dynamic agent of formula III as shown in the drawing accompanying this specification



(III)

where n represents no. of carbon atoms, which comprises reacting equimolar amounts of l-a-Coleonoloxy-hemisuccinate or formula II



(II)

where n is 1 or 2 and Sodium carbonate solution at room temperature followed by lyophilizing by freeze-drying methods.

Copending Application No 820/Del/91 is referred in the specification.

Compl. Specn. 5 pages Drgs. 1 sheet

Ind. Cl. : 32 F (2d) 177703

Int. Cl.[4] : C 07 D 309/08

A PROCESS FOR THE PREPARATION OF 5, 6-SUBSTITUTED -3 CYANO-4- METHYLTHIO -2H -PYRAN-2-ONES HAVING HEPATOPROTECTIVE ACTIVITY.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI.

Inventors : FALAK ANWER HUSSAINI, INDIA ; HAVEDUL HAQUE, INDIA ; VISNU IT RAM, INDIA ; ABOO SHOEB, INDIA; GYANANDRA KUMAR PATNAIK., INDIA; RIKHAB CHAND SRIMAL, INDIA : SUBHASH CHANDRA TRIPATHI, INDIA.

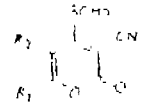
Kind of Application : Complete.

Application for Patent No. 822/Del/91 filed on 5-9-91

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

2 Claims

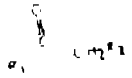
A process for the preparation of 5, 6-substituted-3-cyano-4-methylthio-2H-pyran-2-ones of the general formula (V)



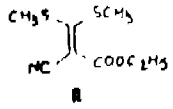
y

accompanying this specification, wherein R_1=2-thienyal, 4—CH_3—C_6H_4--, C_6H_5CH-CH benzofuran—2— yl—, 4-CH_3O-C_6O_4—, 4—Halo—C_6H_4—, 3—pyridyl—, CH_3; R_2-H, 4—$(CH_3O)_2$ C_6H_3—, which comprises :

(i) reacting appropriately substituted ketones of the general formula (I)



where R_1= substituted phenyls, hetero-aryls methyl; R_2--H, 3, 4-dimethoxyphenyl-, with ethyl 2-cyano-3, 3-bis (methyl-lthio) acrylale of the formula 11



in the presence of Bolvents such as dimethylformamide, dimethylaufoxide and in the presence of potassium hydroxide or potassium carbonate at a temperature in the range of 25^0-70^0C.

Copending Application No. 823/Del/91 is referred in the specification.

Agent :

(Compl. Specn. 5 pages Drng 1 sheet)

Ind. Cl. : 32 F (2d) 177709

Int. C1.[4] : C 07 D 309/08

A PROCESS FOR THE PREPARATION OF 6-SUBSTITUTED-3-CYANO-.1-METHYLTHIO-2H-PYRAN-2-ONES.

Applicant ; COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventors : FALAK ANWER HUSSAINI, INDIA ; NAVI-,-DUL HAQUE, INDIA ; VISHNUE JI RAM, INDIA ; ABOO SHOEB, INDIA; GYANANDRA KUMAR PATNAIK. INDIA ; RIKHAB CHAND SRIMAL, INDIA ; SUBHASH CHANDRA TRIPATHI, INDIA.

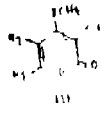
Kind of Application : Complete.

Application for Patent No. 823/dEL/91 filed on 5-9-9l.

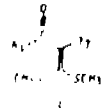
Appropriate office for filing opposition proceeding (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005,

2 Claims

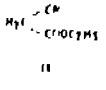
A process for the preparation of 6-substituted-3-cyano-4-methylthio-2H-pyran-2-ones of the general formula (III) shown in the drawing accompanying this specification.



wherein R_1=4—CH_3—C_6H_4—, C_6H_5CH=CH—, benzofuran—2—yl—, 4—$CH_3$0- C_6H_4—, 4—Halo—C_6H_4—, 3--pyridyl-, 4-pyridyl—, 2, 4 $C1_2$—C_6H_3 ; R_2=H, which comprises reacting substituted —benzoylketene dimethyldithioacetals of the formula (I)



where R, represents substituted phenyls heteroaryls, R^2=H, with ethyl cyanoacetate of the formula (II)



in presence of dimethylsulfoxide and anhydrous potassium carbonate.

Copending application No. 822/Del/91.

Agent :

(Compl. Specn. 5 pages Drg. 1 sheet)

Ind. Cl. : 32 F (2b) 177705

Int. Cl [4] : C0 7D, 501/10

AN IMPROVED PROCESS FOR THE PRODUCTION OF SULFOXDES OF BETA LACTAM ANTIBIOTICS CONTAINING PENAM AND CEPHAM STRUCTURES SUCH AS PENICLLINS AND CEPHALOSPORIN.

Inventors: NAGARAJ RAMANUJ AYYANGAR, INDIA; EKNATH DATATRAYA PANDHARE, INDIA; DILIP DHARAMDAS SAWAIKAR, INDIA.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, KAFI MARG, NEW DELHI-1 10001.

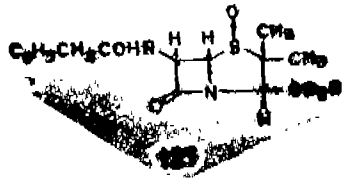
Kind of Application : Complete

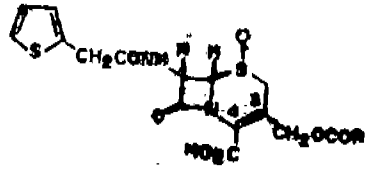
Application of Patent No. 0852/Del/91 filed on 13-9-91.

Appropriate office for filling opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-110005.

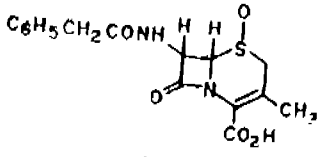
7 Claims

An improved process for the production of sulfoxides of beta lactam antibiotics of the formula 2, 5 & 7





(5)



(7)

where in R is hydrogen oralkyl radical containing penam and ceoham structure of the formula A and B

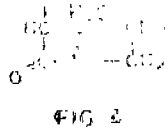


FIG. A

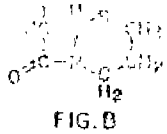


FIG. B

Shown in the drawings accompanying the specification such as pencillins and cephalosporins which comprises adding dropwise a cold aqueous solution of pencillin or cephalosporin under stirring in presence of a catalyst such as herein described at a temperature in the range of 0^0 to 15^0C during 3-24 hrs followed by acidification to PH2.0 continuing the stirring for 1-2 hrs. at a temperature in the range of 20^0-25°C filtering washing and drying under vacuum to recover the said sulfoxide.

Ref : NIL

Agent : NIL

(Compl. Specn. 9 pages Drg. 1 sheet)

Ind. CI. : 35 E 1. 177706
Int. Cl.[4] : A 61 K —45/00.

A PROCESS FOR PREPARING A SEMDURAMICIN PREMIX.

Applicant : PFIZER INC. OF 235 EAST 42ND STREET. NEW YORK, STATE OF NEW YORK. UNITED STAFFS OF AMFRICA.

Inventors : (1) ANTONIO GRIZZUTI. U.S. V;
(2) ROBERI JOSEPH LLOYD. U.S.A.

Kind of application : Complete.

Application for Patent No. 1008/Del/91.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, karol Bagh New Delhi-110 005.

10 Claims

A process for preparing a semduramicn premix comprising :

forming a mixture comprising a diluent in the range of from 40 weight % to 80 weight % a density increasing bulking agent in the range of from 5 weight % to 50 weight %, a glident in the range of from 0.25 weight % to 5 weight % a dust controlling oil in the range of from 2 weight % to 10 weight % a semduramicin degradation reducing stabilizing in the range of from 0.5 weight % to 50 weight % and Semduramicin or a pharmaceutically acceptable salt of semduramicin in the range of from 1 weight % to 5 weight % of the final concentration of the premix.

Ref. : NIL.

Agent : REMFRY & SAGAR

(Compl. Specn. 19 pages: Drwg : Nil)

Ind. CI. : 32 F2C. 177707
Int. CI.[4] : C12N 15/00.

A PROCESS FOR THE PREPARATION OF FRAGMENTED NUCLEIC ACID USEFUL FOR DIAGNOSIS OF CANDIDOSIS.

Applicant : KALIANNAN GANESAN, ANASU BANERJEE AND ASIS DATTA, ALL INDIAN CITIZENS OF SCHOOL OF LIFE SCIENCES, JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI-110 067, INDIA.

Inventors : (1) KALIANNAN GANESAN,
(2) ANASUA BANERJEE,
(3) ASIS DATTA.

Application for Patent No. 1010/Del/91 filed on 23rd October, 1991.

Appropriate Office for Opposition Proceedings (Rule- 4. Patents Rules, 1972), Patent Office Branch, Karol Bagh New Delhi-110 005.

A process for the preparation of a fragmented nucleic acid useful for the diagnosis of candidosis, said process comprising (i) isolating a total nucleic acid from a source of the kind such as herein described by a known method; (ii) frag menting the nucleic acid to predetermined size by known methods; (iii) reacting the fragmented nucleic acid obtained from step (ii) with an enzyme of the kind such as herein described in an eppendorf tube to fill up the ends; (iv) adding a carrier of the kind such as herein described to the end filled fragmented nucleic acid molecule, and (v) isolating the fragmented nucleic acid and purifying the same by conventional methods.

(Compl. Specn. 18 pages; Drwg. Nil)

Ind. Cl 32 F_2b, 55F 177708
Int. CI.[4] : C 07 D 263/00. A 61 K 31/44, 34/42.

AN IMPROVED PROCESS FOR THE PREPARATION OF 4-METHYL -5-CARBOETHOXY-OXAZOLE.

Inventors :

THOTTAPILLIL RAVINDRANATHAN, INDIA;
RAMKSf-1 ANNA JOSHI, INDIA;
MUTYALA NARAYANARAO, INDIA
UTTAM RAMRAO KALKOTE, INDIA;
IYAKANNU SHIVAKUMAR, INDIA;
KISHORI CHINTAMAN BRAHME, INDIA.

Applicant: CAUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Kind of Application : Complete.

Application for Patent NO. 1143/Del/91 filed on 22-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Karol Bagh New Delhi-110 005.

3 Claims

An improved process for the preparation of 4-methyl-5-carboethoxy-oxazole of the formula of Fig. A of the accompanying drawing which comprises reacting ethyl-2-chloro-3-oxobutanoate of the formula of Fig. C with sodium formate ana formamide in presence of quaternary ammonium salt as phase transfer catalyst (PTC) in hydrocarbon solvents such as toluene or xylene at 40-180C for 4-12 hrs., followed by cooling to 30°C then recovering the said oxazole by conventional methods.

EM No. 27020 and French Patent No. 1543853 are referred in the specification.

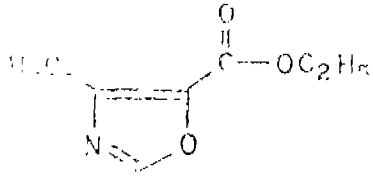


Fig A

Agent : CSIR.

(Compl. Specn. 7 pages: Drwg, 1 sheet)

Ind. CI. : 189 177709
Int. Cl.[4] : A 61 K7/16.

A PROCESS FOR THE PREPARATION OF AN ORAL COMPOSITION.

Applicant: COLGATE-PALMOLIVE CO., OF 300 PARK AVENUE, NEW YORK 10022, USA.

Inventor : ABDUL GAFFAR. USA; NURAN NABI, USA; JOHN AFFLITT, USA; ORUM STRINGER, USA; MICHAEL, PRENCIPE, USA.

Kind of Application : Divisional

Ante-dated to 21-12-89. Divisional to Patent Application No. 1223 Del/89.

Application for Patent No 1171/Del/91 filed on 28th November, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch. Karol Bagh New Delhi-110 005.

21 Claims

A process for the preparation of an oral composition mouthwash or liquid dentifirce wherein the delivery and retention of a palque-inhibiting antibacterial agent is enhanced by attaching, adhering or bonding to oral tooth and gum surfaces, comprising mixing in an aqueous vehicle, 0 01-5% by weight of substantially water insoluble noncationic antibacterial agent selected from the group consisting of halogenated diphenyl ethers, halogenated salicylanilides, benzoic esters halogenated carbanilides and phenolic compounds and at least one of a surface active agent flavouring oil or a non-toxic alcohol of the kind such as herein described as solubilizing, agent 0.05-4% by weight of an anti-bacterial enhancing agent selected from the group comprising natural or synthetic polymerizable monomer or a polymer selected from the group comprising oligomers, homopolymersm copolymers of two or more monomers, ionomers, block copolymers graft copolymers ad cross linked polymers and monomers of the kind such as hereinbefore described, which contains at least one delivery enhancing functional group of the kind such as hereinbefore described and at least one organic retention enhancing group of the kind such as hereinbefore described, and the balance, if any, comprising one or more conventional adjuvants.

EPO No. 261332, 251591 and US Patent No 4022880 a *referred* in the specification

Agent : Remfry & Sagar.

(Compl. Specn. 59 pages, Drwg. Sheets Nil)

Ind. Cl. : 189 177710

Int. Cl.[4] : A 61 K 7/16

ORAL COMPOSITIONS SUCH AS MOUTHWASH OR TOOTHPASTE.

Applicant : COLGATE-PALMOLIVE CO.. OF 300 PARK AVENUE, NEW YORK 10022, USA

Inventors: ABDUL GAFFAR. USA. JOHN AFFLITTO, USA; MARILOU T. JOZIAK USA

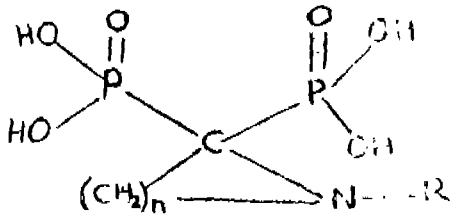
Kind of Application : Complete

Application for Patent No. 1184/Del/91 filed on 3-12-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch Karol Bagh, New Delhi-110 005

11 Claims

An oral composition such as mouthwash, toothpaste, which comprises an orally acceptable vehicle or base of the kind described hereinbefore for such composition, an effective anticalulus proportion of 0.01% to 5% by weight of an orally acceptable azacycloalkane-2, 2-diphosphonic compound (AAP) selected from the group consisting of compounds of the formula.



wherein R is selected from the group consisting of hydrogen and alkyls of 1 to 3 carbon atoms and n is an integer from 3 to 5 and orally acceptable salts thereof and 0.1% to 5 % by weight of a water soluble or water swellable synthetic anionic polymer (SAP) of the kind such as hereinbefore described of a molecular weight in the range of 1,000-2, 000, 000, which is effective to increase the anticalculus action of the AAP in said composition.

US Patent No. 4323551, 4515772, 4627977, 4931273 and EPA No. 07 505628, 07/547641 and Copending Application No. 1185/Del/91 are referred in the specification.

Agent : Remfry & Sagar.

(Compl. Specn. 41 pages Drgs, sheet nil)

Ind. Cl: 206 E . 177711

Int. Cl[4] : G 06 F 12/ 00.

MICROCOMPUTER SYSTEM

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors ;

YUAN-CHANG LO, U.S.A.
DENNIS LEE MOELLER. U.S.A.
JOHN JOSEPH SZAREK U.S.A.

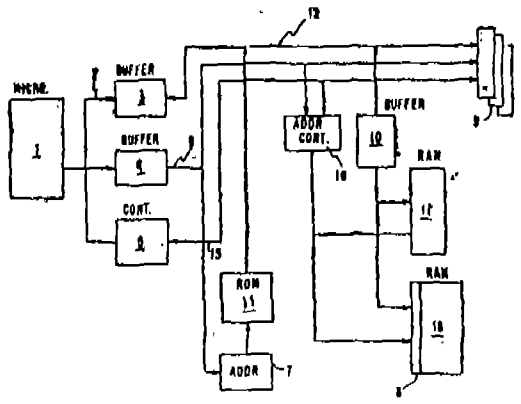
Application for Patent No 50/Del/88 filed on 20th January 1988.

Convention Date: 27-10-1987 /8725112/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office Branch, New Delhi-110 005,

4 Claims

A microcomputer system comprising a processor planar circuit board, first memory means (17) permanently attached to, and connected to circuitry on said planar circuit board, connector means *(S)* on the planar circuit board for removably coupling further memory means (18) to said circuitry, address and control means (16) coupled to said first memory means and to said connector means for addressing memory installed in the system, said address and control means incorporating logic means for selecting blocks on the installed memory for addressing using lowest ordered addresses for said first memory means and higher ordered addresses for said further memory means, and means for testing at least snid first memory means, characterised in that said address and control means incorporates a register means (30) for recording an indication of a fault detected in said first memory means during testing by said means for testing, said register means having at least one input connected to said memory means and at least one output connected to at least one input *of a g*ate means, said logic means comprising a decoder means connected to said gate means for decoding high order memory address bits for generating individual output signals on different output lines representing different, common fixed size, blocks of said memories and logic circuit means connected on one hand to said decoder means for receiving said output signals and on the other hand to said register means.



(Compl. Specn. 16 pages; Drwg. sheets 3)

Ind. Cl. : 95 H 177712

Int. Cl.[4] : C 23 C 14 04

A PROCESS FOR MAKING AN IMPROVED OUTTING EDGE SUCH AS CUTTING EDGE OF A RAZOR BLADE.

Applicant : THE GILLETTE CO., OF PRUDENTIAL. TOWER BUILDING BOSTON, STATE OF MASSACHEUSETTS,USA.

Inventors: ROGER JOHN BACHE, ENGLAND ; COLIN JOHN CLIPSTONE, ENGLAND ; COLIN FRANCIS PARKER, ENGLAND ; JOHN PUMERY, ENGLAND.

Kind of Application : Complete.

Application for Patent No. 49/Del /87 filed on 23-1-87.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

6 Claims

A process for making an improved cutting edge such as cutting edge of a razor blade which comprises the steps of :

coating a cutting edge substrate of the kind such as herein described having a cross-sectional shape up to a distance of 40 nm from the extreme edge which is defined by the equation :

$$w \leq ad^n$$

where w is the tip width in um of the cutting edge at distanced from the ultimate tip, "a" is a factor of proportionality of greater than 0 and up to about 1 and n is an exponent having a value in the range of 0.65 to 0.75, coating the selected cutting edge substrate with a material of the kind such as herein described which is hardner than the material of the substrate coating edge by a vapro deposition or sputtering process at a pressure of less than about 10-3m bar,

simultaneously subjecting the selected cutting edge substrate to ion bombardment with ions such as herein described to cause sputter removal of the deposited material at a rule which is less than the rate of deposition to provide a cutting edge formed of the deposited material and having a cross-sectional geometry defined by the equations.

$$ad^n \geq w \geq \frac{1}{m} ad^n$$

and

$$w^3 \geq (w-2f)a^2d^{2n}$$

where w, d, a and n have the above stated meanings, ma is the ratio of the yield strength of the deposited coated material to that of the substrate material, and f is between 0.2 nm to 0.2 um, said edge having an ultimate tip radius of less than 500 A, and where the ratio of the thickness of the coating at the ultimate tip to the thickness of the coating on the facts of the cutting edge is between 4.5 to 6.8.

British specification 2130955 is referred in the specification.

Agent : Remfry & Son.

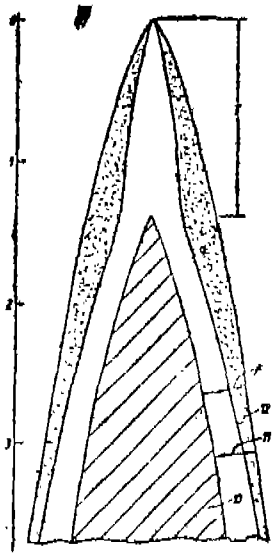


Fig.1.

Com Specn. 15 pages Drgs. 3 sheets

Ind. Cl. : 140 A_2 177713

Int. Cl.[4] : C 10 M 145/10.

A LUBRICATING COMPOSITION.

Applicant: THE LUBRIZOL CORP, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO, 44092, USA,

Inventor : KETSUMI HAYASHI, USA : CURTIS RICHARD SCHARF, USA; THOMAS ROBERT HOPKINS, USA.

Kind of Application: Complete; Divisional- divided out of Application No. 1028/Del/86 dated Sl. No. 172193 dated 25-11-86.

Application for Patent No. 835/Del/89 filed on 18-9-89.

Antedated to 25-11-86.

Appropriate Office for filling Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

2 Claims

A lubricating composition comprising at least 50 per cent by weight of a lubricating oil and 0.1 and 40 per cent by weight of an oil soluble dispersant viscosity modifier prepared by the process claimed in Indian Patent Application No. 1028/Del/86.

US Patent Nos. 3567891, 4010223, 4080493, 4410656 and UK Patent No. 1548464 are referred in the specification.

Agent: Remfry & Sagar.

(Compl. Specn. 92 pages; Drwg, sheets Nil)

Ind. Cl. : 95 H 177714

Int. Cl.[4] : C 23 C 14/04

A METHOD FOR MAKING A CUTTING EDGE SUCH AS CUTTING EDGE OF A RAZOR BLADE,

Applicant : THE GILLETTE CO. OF PRUDENTIAL TOWER BUILDING, BOSTON, STATE OF MASSACHUSETTS, USA.

Inventor : ROGER JOHN BACHE, ENGLAND ; COLIN JOHN CLIPSTONE, ENGLAND ; COLING FRANCIS PARKER, ENGLAND; JOHN PUMFREY, ENGLAND.

Kind of Application : Divisional.

Divisional to Patent Application No. 49/Del/87 filed on 23-1-87.

Ante-dated to 23-1-87,

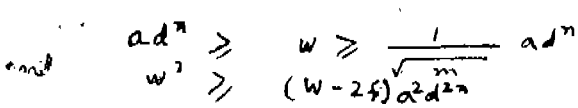
Application for Patent No, 1065 /Del/89 filed on 16-11-89.

Appropriate Office for Opposition Proceedings Rule 4, Patents Rules, 1972) Patent Office, Branch, Karol Bagh, New Delhi-110005.

6 Claims

A method for making an improved cutting edge such as cutting edge of a razor blade which comprises the step of coating a cutting edge substrate of the kind such as herein described having a cross-sectional shape up to a distance of forty micrometers from the extreme edge which is defined by the equation :

where W is the tip width in urn of the cutting edge at distanced from the ultimate tip, a is a factor of proportionality of greater than 0 and up to about 1, and n is an exponent having a value in the range of 0.65 to 0.75, with a material of the kind such as herein described which is harder than the material of the substrate coating edge by a vapour deposition or sputtering process at a pressure of less than about 10^{-3}m bar, said coating step including the presence of gaseous or vaporized molecules of another element or compound of another element, and simultaneously subjecting the selected cutting edge substrate to ion bombardment with ions of the kind such as herein described to cause sputter removal of the deposited material at a rate which is less than the rate of deposition to provide a cutting edge formed of the deposited material and having a cross-sectional geometry defined by equations;



where w, d, a and n have the above-stated meanings, m is the ratio of the yield strength of the deposited coated material to that of the substrate material, and fi is between 0.2 um to 0.3 um, said edge having an ultimate tip radium of less than 500A and where the aspect ratio of the coating is between 4.5 to 6.8.

GB Patent Application No. 2130955A is refered in the specification.

Agent : Remry & Sagar.

Compl. Specn. 15 pages Drgs. 3 sheets

Ind. Cl.: 32 E 177715
Int. C1.[4] : C 08 F 10/60.

A PROCESS FOR CONTINUOUS GAS-PHASE POLYMERIZATION OF ONE OR MORE ALPHA-OLEFINS.

Applicant : BP CHEMICALS LTD., BELGRAVE HOUSE, 76, BUCKINGHAM PALACE ROAD, LONDON, SWIW, OSU, ENGLAND.

Inventor: JEAN CLAUDE BERNARD, FRANCE; CLAUDINE BERRUYER, FRANCE; LASZLO HAVAS, FRANCE.

Kind of Application : Complete.

Application for Patent No. 1208/Del/89 filed on 19-12-89.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972). Patent Office Branch, Karol Bagh, New Delhi-110 005.

9 Claims

A process for continuous pas-phase polymerization of one or more alpha-olefins in a fluidized and/or mechanically agitated bed reactor with the aid of a catalyst based on a transition metal belonging to Groups IV, V, or VI of the Periodic Table of the Elements, characterized in that the process is carried out in the presence of an activator and an activity retards such as herein before described introduced during the polymerization continuously and simultaneously into the reactor in a molar ratio and at rates which are varied with time, so as to keep substantially constant either the polymerization rate or the content of transition metal in the polymer produced, the amount of said activator introduced into the reactor being such that the molar ratio of the amount of said activator introduced to the amount of alphaolefin(s) introduced is 10^{-7} to 10^{-4}, and the amount of said activity retarder introduced into the reactor being such that the molar ratio of the amount of said activity retarder introduced to the amount of alpha-olefin(s) introduced is 10-8 to 10-".

EPO No. 257316 is referred in the specification.

Agent: Remfry & Son.

(Compl. Specn. 20 pages; Drwg. Sheets Nil)

Ind. Cl. : 76 E 177716
Int. Cl.[4] : A 47 B 96/00.

A FASTENING SYSTEM.

Applicant: THE PROCTER & GAMBLE COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF ONE PROCTOR & GAMBLE PLAZA, CINCINNATI, OHIO 45202, UNITED STATES OF AMERICA.

Inventor(s):

(1) DENNIS ALBERT THOMAS—U.S.A.
(2) TED LEE BLANEY—U.S.A.

Application for Patent No. 121/Del/90 filed on 13th February 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

8 Claims

A fastening device for attaching to a complementary receiving surface, which comprises:

a substrate; and

at least one prong, said prong having a base, a shank and an engaging means, said prong being connected at said base to said substrate,

said shank being contiguous with and projecting longitudinally outwardly from said substrate; and

said engaging means being joined to said shank of said prong and laterally projecting radially outwardly beyond the periphery of said shank, said engaging means having a reentrant segment forming and included angle greater than 180 and less than 360 laterally directed towards said shank.

Agent: Lall Lahiri & Salhotra.

Foreign Patent references :

U.S. Patent No. 4,216,257.

U.S. Patent No. 4,338.800.

European Patent Application Publication No. 0,276,970.

U.S. Patent No. 3,083,737.
U.S. Patent No. 3,943,981.
U.S. Patent No. 3,594,863.
U.S. Patent No. 3,708,833.
U.S. Patent No. 4,643,130.
U.S. Patent No. 3.154,837.
U.S. Patent No. 3,629,032.
U.S. Patent No. 3,550,837.
U.S. Patent No. 4,454,183.
U.S. Patent No. 4,462,784.

Fig. 1

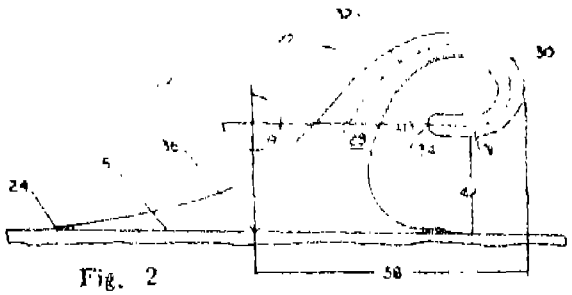


Fig. 2

(Compl, Specn. 30 pages; Drwg. sheets 4)

Ind. Cl.: 35 D 177717

Int. Cl.[4] : C04B 18/24.

A PROCESS FOR MAKING COMPOSITE MATERIAL USING GYPSUM AND AGRO WASTE MATERIALS, USEFUL AS (BUILDING MATERIALS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI.

Inventors : SATYA KUMAR MEHTA, RAMASWAMY ANANTHASAYANAM, PRABH DAYAL SINGH JOHAR, HEM RAJ KHAJURIA.

Application for Patent No. 155/Del/90 filed on 22-2-90.

Appropriate Office for filling Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110005.

13 Claims

A process for making composite materials useful as building materials from gypsum and agro waste materials which comprises making plaster of paris from gypsum by known methods, adding to the plaster of paris, conventional retarders and or accelerators for delaying and accelerating the setting of the plasfer of paris, antifungal agents, to prevent formation of moulds, foaming agent for controlling the bulk density agitating the resultant mixture for forming a uniform slurry, pouring the slurry in moulds in two layers sanwitching the agrowaste being chemically treated in a manner as herein described to make them soft and for effecting fibre matrix bonding and drying the resultant composite material.

(Compl. Specn. 9 pages; Drwg sheet Nil)

Ind. Cl ; 32 F_8 (C) 177718

Int. Cl.[4] : C 07 C 31/20, C 07 C 37/00,

AN IMPROVED PROCESS FOR THE SIMULTANEOUS PREPARATION OF DIHYDROXYBENZENE AND, 1, 4 BENZOQUINONE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventors:

PRAMOD PRABHAKAR MOBHE, INDIA.
PAUL RATNASAMY, INDIA.
GURUVAYUR. RAJGOPALAN VENKITAKRISHNAN, INDIA.
APPADURAI THANGARAJ, INDIA.
ASHWINI VINAYAK POL. INDIA.
MADHAV GOPAL KOTASTHANE, INDIA.
SUJATA SUKRITI BISWAS, INDIA.
AMRUTA SANJEEV TAMBE, INDIA.
PRAKASH KONDIBA BAHIRAT, INDIA.
SRIPAD MORESHWAR LIKHITE, INDIA.

Kind of Application : Complete.

Application for Patent No. 169/Del/90 filed on 26-2-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Potent Office Branch, Karol Bagh, New Delhi-110 005.

9 Claims

An improved process for the simultaneous preparation of dihydroxybenzene and 1, 4 benzoquinone by the hydroxylation of phenol using hydrogen peroxide and titanium containing zeolites, which comprises adding H_2O_2 to phenol in the presence of a catalyst having been obtained by a process described and claimed in our copending application No. 955/Del/89 and having the formula

X TiO_2 (1-X) SiO_2

where X=0.0005 to 0.2 and silicallite type 1 structure at a temperature in the range of -10°C to 80°C to get the above products.

US Patent No. 3580956, 3914324, 4301307, 4396783 and UK Patent No. GB 21002018 A and Copending Application No. 955/Del/89 are referred in the specification.

(Compl. Specn. 9 pages: Drwg. Sheets Nil)

Ind. Cl.: 129 FHP 177719

Int. Cl.[4] : B 25 F 1/00, 2/00.

CUTTING INSERT.

Applicant: KENNAMETAL INC.. P.O. BOX 231 LATROBE, PENNSYLVANIA 15650, USA.

Inventors:

WILLIAM ARTHUR BRYANT.
GEORGE PAUL GRAB.
ANAKKAVUR THATTAI SANTHANAM.
DENNIS TAMBAON QUINTO.
JAMES LYNN HUNT.

Kind of Application: Complete.

Application for Patent No. 184/Del/90 filed on 27-2-90,

Appropriate Office for filing Opposition Proceedings Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

8 Claims

A cutting insert comprising a body (10) having a rake face (12) and a flank face (14), a cutting edge (16) at a junction

of said rake face and said flank face, said body composed of:

a cemented carbide substrate (32) consisting essentially of tungsten carbide grains, solid solution carbide grains containing tungsten and an element selected from the group consisting of titanium, tantalum, niobium, zirconium and hafnium, alone or together, and 6.1 to 6.5 weight percent cobalt; said substrate having a hardness of at least 90.8 to 51.6 Rockwell A and a magnetic coercive force of 110 to 180 oersteds, a coating (33) bonded to said substrate;

said coating (34) including a backing layer (36) bonded to said substrate (32), having a thickness of atleast 5u, and composed of the carbides, carbonitrides of titanium, hafnium and zirconium, alone or in combination;

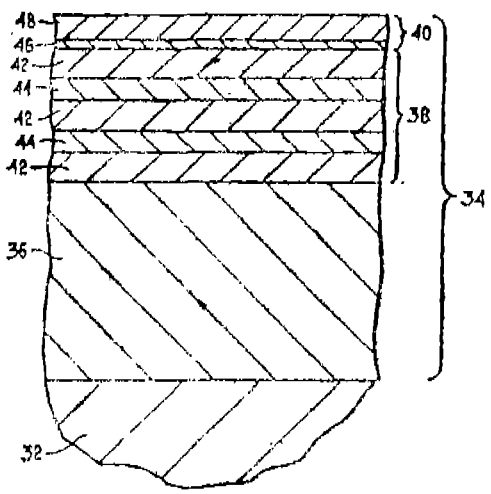
an active layer (38) composed of alternating sublayers (42, 44) including at least a plurality of alumina sublayers separated from each other by en intermediate sublayer selected from the group consisting of the nitrides of titanium, zirconium and hafnium, alone or in combination, and said first alumina sublayer bonded to said second alumina layer, and,

a finish layer (40) bonded to the outermost alumina layer; said finish layer selected from the group consisting of the carbonitrides and nitrides of titanium, hafnium and zirconium, alone or in combination wherein said alumina in said sublayer has an average grain size in the range of from 0.15 to 0.5u.

Ret. NIL.

Agent: Remfry & Sagar.

FIG. 3



(Compl. Specn. 24 pages; Drwg, Sheets 2)

Ind. Cl. : 45 B^1DEF 177720.

Int. CL.[4] : E 03 D 1/00, E 03 P 1/00.

VACUUM DRAINAGE SYSTEM FOR SANITARY EQUIPMENT.

Applicant: JETS SYSTEMER A/S, OF DRAGSUND, 6080 GURSKOY NORWAY.

Inventor : OLAV HOFSETH, NORWAY.

Kind of Application : Complete

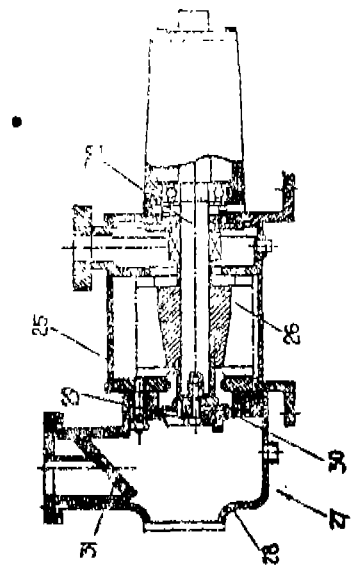
Application for Patent No. 997/Del/90 filed on 2-3-90.

Appropriate office for filing opposition proceedings Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110 005.

(Claims 5)

Vacuum drainage system for sanitary equipment of the kind as herein described comprising branching pipes being connected to said sanitary equipment, a collecting pipe (5) connected to said branching pipes, one or more vacuum devices (2) connected to the collecting pipe (5) for creating a vacuum in the pipe and transporting sewer from said sanitary equipment to a collecting tank (1) or a purification plant characterised in that said one or more vacuum devices (2) comprise one or more screw pumps (2) connected to said collecting pipe (5), a grinder (11) located at the inlet end of said screw pump (2) and connected to said collectinn device (5) for grinding solid particles in the sewer.

Swedish publication No. 389882 is referred in the specification.



Agent : Remfry & Sagar,

(Complete Specification 9 pages Drawing Sheets 3)

Ind. Cl.. 27 1H. 177721.

Int. Cl.[4] : E04P 11/00, E04G 27/00.

A TAKEDOWN STAIRCASE.

Applicant :KEI ICHIRO YAMAZAKI, OF 6-12-1, KAMEIDO, KOTO-KU, TOKYO, JAPAN.

Inventor : KEIICHIRO YAMAZAKT, JAPAN.

Application for Patent No. 1228/Del/89 filed on 22-12-89.

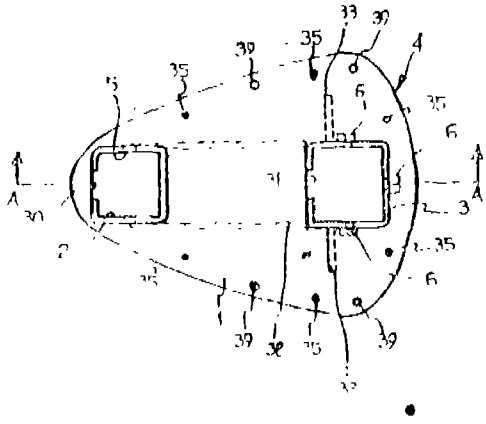
Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch. Karol Bach, New Delhi-110 005.

(Claims 18)

A takedown staircase in which the upward joint (2) and the downward joint (3) are vertically connected at the base end and front end of horizontal base plate (1). comprising a stair unit (4) being connected to a plurality of upper and lower flights by mutually inserting/uniting the upward joint (2) and the downward joint, a bolt which fixes the upward joint (2) and the downward joint (3) by being spirally inserted into the nut (6) fixed installed in the downward joint (3) on upward joint (2) from the longitudinal long hole bored (5) in the upward joint (2) on downward Joint (3) and a treat being fixed to the upper surface of horizontal base plate (1), and the horizontal sections

of upward joint (2) and downward joint (3) are no circularised so that such joints do not mutually rotate.

Fig.—1



(Complete Specification 64 Pages Drawing Sheets 63).

Ind. Cl. : 49 E 177722.

Int. Cl. : A 21 C 11/00.

AN IMPROVED CONTINOUS CHAPATHI MAKING MACHINE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI

Inventor : BETTDAPURA SHIVARAMAIAH SRIDHAR, INDIA; VUNDAWADI NAGARAJARAO SUBBA RAO, INDIA; ANANTASWAMYRAO RAMESH, INDIA.

Kind of Application: Complete.

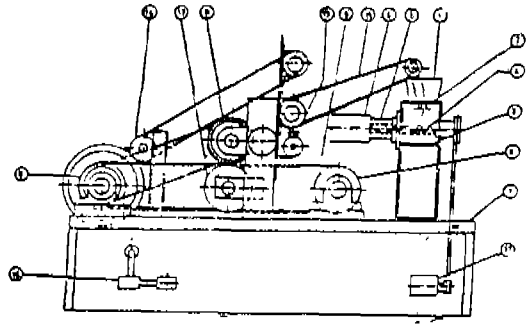
Application for Patent No. 62/Del/91 filed on 23-1-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110 005.

(Claims 3)

An improved continuous chapathi making machine which comprises of a feed hopper (1) fitted with a feeder roller (2), mounted on a mechanical extruder (3) consisting of a metallic screw (4), the screw having shallower flights at the discharge end, operating within a barrel (5), the barrel having axial grooves in its interior, a die (6) which comprises of two metal halves, similar in construction bolted together, the die having an internal cavity with circular cross section at one end and narrow rectangular cross section at the other end, the change of the section being gradual, the end of the die with circular cross section being provided with screw threads to facilitate fixing it to the discharge end of the berrel (5) of the extruder, the die also having an external form of a trapizoidal prism, the mechanical extruder being mounted on a frame (7), two conveyor rollers (8) carrying the main conveyor belt (9), the conveyor belt (9) passing between a cutter roller (11) and a counter pressure roller (12) all mounted on the said frame (7), a duster (13) having a rotating brush inside and perforated casing mounted on the said frame, at least two feed back conveyors (14, 15) mounted on the said frame (7), the main conveyor belt, the cutter roller, the counter -pressure roller, the duster and the feed back conveyors being connected to a common driving motor (16) through transmission chains and sprockets for rotation at desired speeds, while the extruder is driven by a separate geared motor (17) through chains and sprockets.

Ref. : NIL



Agent :

(Complete specification 10 Pages Drawing sheet 1)

Intl. Cl. : 127 1 177723.

Int. Cl.[4]: G 01 W 1/00.

A DEVICE FOR SENSING MICROLEVEL CHANGES IN GROUNDWATER USEFUL IN HYDROLOGY AND EARTHQUAKE PROGNOSTICS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI-110 001.

Inventor : YELLAMRAJU VENKATARAMANA, INDIA; INDUGULA RADHAKRISHNA INDIA.

Kind off Application : Complete.

Application for Patent No. 086/Del/91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110 005.

(Claims 2)

A device for sensing microlevel changes in groundwater useful in hydrology and earthquake prognostics, comprises an acoustic transducer (1) having means for vertical lowering down and measuring of vertical height, the said transducer (1) being placed with its transmitting receiving end (14) facing upwards, the transmitting part of the transducer being connected to a synchronised pulse generator (2) for providing the pulses transmitted, the receiving part of the said transducer (1A) being connected to a pulse amplifier (3) together with an. attenuator (4) in series, the synchronising pulse generator (2) the pulse ampliner (3) and attenuator (4) being connected to a storage oscilloscaope (5) which is connected to a x-y recorder or interfaced to a PC.

Ref. : Earthquake predictim Techniques by Masako ohnuki university of Japan, Tectonophysic 23 (1974) 247-255 Japan Patent No. KTK f date : 7-6-94.

Agent:

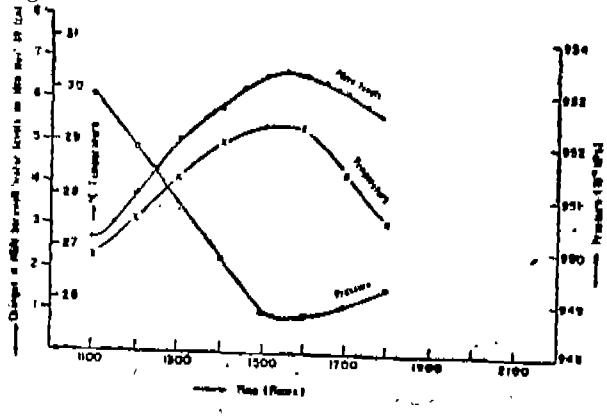


Fig.—3

(Complete specification 17 Pages Drawing Sheets 3),

Ind. Cl. : 146 C 177724

Int. Cl.[4] : G 01 C 9/00.

A DEVICE FOR ON-LINE SENSING MONITORING AND DISPLAY OF LEVEL OF INDUSTRIAL CONDUCTING LIQUIDS AND SLURRIES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor : TILAK RAJ VASUDEVA, INDIA; VINAYAK LAXMAN PATIL, INDIA; GIRISH KUMAR GAUTAM, INDIA; VASUDEVA BAJAJ, INDIA; PAWAN KAPUR, INDIA.

Kind of Application : Complete.

Application for Patent No. 131/Del/91 filed on 20-2-91,

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bash, New Delhi-110 005.

(Claims 2)

A device for on-line sensing, monitoring and display of level of industrial conducting liquids and slurries which comprises providing multiple sensors at various levels in the vessel containing conducting liquids & slurries the said sensor (1) consisting of a pair of non-corrosive metal electrodes (9) separated from each other and placed in such a manner that the ratio of distance between two electrodes :surface area of the electrodes range from 0.2 to 2.0 the metal electrodes (9) being fixed in a holder (10) of non-conducting material, each electrode (9) being provided with a separate connecting lead (11) the lead of one of the electrodes (9) being connected to an A.C. current source (3), the other electrode providing the return current path, the lead (11) being connected across the input of a comparator (5) through conventional A.C. to D.C. converter (4), the output ctf the comparator (5) being connected in parallel to an LED display (6) and a voltage adder (7), the output of the voltage adder (7) being connected to a voltage to current converter (8).

Ref. : NIL

Agent:

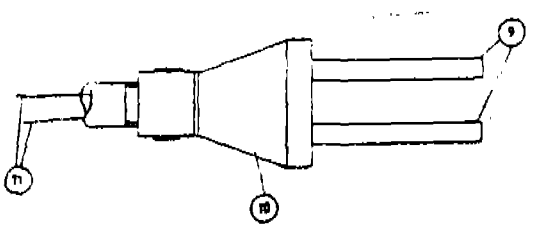


Fig. 2 ELECTRODE

(Complete specification 11 pages Drawing Sheets 7).

Ind. Cl. : 40 H 177725.

Int. Cl.[4] : B01 J 20/01.

A PROCESS FOR THE PREPARATION OF SILICEOUS ADSORBENT FROM KIMBERLITE WASTE MINERALS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG. NEW DELHI.

Inventor: PRAVINCHANDRA MAHASUKHRAY OZA, INDIA HARESH MAHIPATLAL MODY, INDIA; VYOMESH PUSHKARRAY PANDYA, INDIA.

Kind of Application : Complete.

Application for Patent No. 366/Del/91 filed on 26-4-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110 005.

(Claims 4)

A process for the preparation of siliceous adsorbent from kimbelite waste material which comprises :

(a) reacting the kimberlite waste material of a size of - 150 mesh with a mineral acid at a temperature in the range of amient to 100°C.

(b) separating the siliceous adsorbent from the slurry by any conventional separation methods such as filtration, centrifugation.

(c) washing the adsorbent with deionised water until it is free from water soluble impurities and

(d) drying the siliceous adsorbent at a temperature of 120°C

Ret. : NIL

Agent : SCIR.

(Complete Specification 9 pages Drawing Sheets Nil)

Ind. Cl.: A 61K 7/075; C11D. 1/86 177726.

Int. Cl.: 170 B+189.

A PROCESS FOR PREPARING A HAIR TREATMENT COMPOSITION.

Inventor : CAROLINE WINYARD CARD, DAVID WAYNE PETER BOTH UNITED STATES CITIZENS.

Applicant : THE PROCTER & GAMBLE COMPANY, CINCINNATI, STATES OF OHIO 45202. U.S.A.

Kind of application : Complete.

Application for Patent No. 0450/Del/91.

Appropriate office for filing opposition proceedings Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110005.

(Claims 8)

A process for preparing a hair treatment composition which comprises mixing and heating; (a) from 0.1% to 2.5%, preferably from .25 to 1.5% of a synthetic pyrethroid and a natural pyrethrin where in the ratio of the synthetic pyrethoid to the natural pyrethrin is from 7.1 to 10.1, preferably 8.1, said pyrethroid preferably being phenothrin or permethrin or a mixture thereof, and said natural pyrethrin preferably being a mixture of Cincrin I, Cinerin II. Pyrethrin I, and pyrethrin II esters where in pyrethrin I and pyrethrin II comprises at least 70% of all esters in the mixture: (b) a liquid vehicle, said liquid vehicle preferably being selected from the group consisting of a monohydric alcohols, water, and mixtures thereof, and more preferably being water and (c) optionally one or more conventional hair treatment adjunct materials selected from hair conditioner materials, alcohol synergizers, hair treatment compatible surfactants, shampoo conpatible amides, silicone materials, suspending agents, lipid materials and silicone polyols, wherein band C are added in amount to make the said composition 100%.

Ref. : UPS 4668666 it, referred in the specification.

Agent: LALL LAHIRI & SALHOTRA.

(Complete specification 40 pages Drawing sheet Nil)

Ind. Cl.: 35 F 177727.

Int. Cl.[4]: B 29 C 41/14.

A PROCESS FOR MICROENCAPSULATION OF DRUGS. FOODS, FERTILIZERS, INSECTICIDES ETC.

Applicant: ANIL KUMAR MADAN, KEWAL KRISHAN BAVEJA AND PREM DUTT GROVER, DEPARTMENT OF CHEMICAL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY, NEW DELHI.

Inventor: ANIL KUMAR MADAN, KEWAL KRISHAN BAVEJA AND PREM DUTT GROVER.

Kind of Application :. Complete.

Application for Patent No. 464/Del/91 filed on 30-5-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110005.

(Claims 2)

A process for preparing high dissolution as well as controlled release microcapsules of materials such as drugs, foods, fertilizers, insecticides which comprise of firstly preparing mixed crystals consisting of a solid solution of the material in a suitable isomorphic carriers/s such as herein described by any conventional means and subsequently using either these mixed crystals or the crystals of the material itself as seeds in a supersaturated solution of same or any other suitable isomorphic carrier/s such as herein described in a suitable solvent/s such as herein described which is/are preferably (but not necessarily) a non-solvent for the material, allowing the seed crystals to grow while agitating the magma, separating the resultant microcapsules from the mother liquor and drying the microcapsules.

Ref.: Nil.

(Complete Specification 12 Pages Drawing 2 Sheets)

Ind. Cl. : 32 F (2C) 177728.

Int. Cl.[4] : CO, 133/02, A61 K, 31/175.

NOVEL PROCESS FOR PRODUCING SEMICARBAZIDE.

Applicant: OTSUKA KAGAKU KABUSHIKI KAISHA, JAPAN OF 2-27, OTEDARI 3-CHOME, CHUO-KU, OSKASHI; OSAKA-JU, JAPAN.

Inventors : TSUKASA MAKEAWA, JAPAN; HIROYASU HAYASHI, JAPAN; KAZUSAKI KAMIYA, JAPAN.

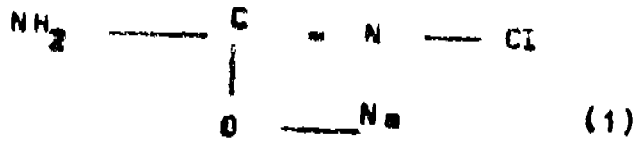
Kind of Application : Complete.

Application for Patent No.: 0586/Del/91.

Appropriate office for opposition proceedings (Rule 4, 1972) Patent Office Branch, New Delhi-110005.

(Claims 9)

A process for producing semicarbazide which comprises reacting a compound of the formula (1) :



(1)

with ammonia, in which the ammonia is used in an amount of about 10 to 1,000 moles per moles of the compound of the formula (1) and in which the reaction is carried out at a temperature of about 50°C to 150°C and optionally in the presence of a catalyst of the kind such as herein before described.

Ref.; Nil.

Agent: REMFRY & SAGAR.

(Complete specification 26 pages Drawing sheets Nil)

Ind. Cl. : 32 F (2a) 177729.

Int. Cl.[4]: C 07 C 29/56.

A PROCESS FOR THE ASYMMETRIC SYNTHESIS OF CHIRALARYLOXY-PROPANOLAMINES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor : ALLA VENKATA RAMA RAO, INDIA; MUKUMD KESHAO GURJAR, INDIA; SHREERANG VIDYADHAR JOSHI, INDIA.

Kind of Application : Divisional,

Ante-dated to 4-1-91.

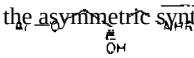
Divisional to Patent Application No. 899/Del/89.

Application for Patent No. 735/Del/91 filed on 8-8-91.

Appropriate office for filing opposition proceedings (Rule 4, 1972) Patent office Branch, Karol Bagh, New Delhi-110005.

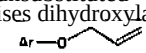
(Claims 7)

A process for the asymmetric synthesis of chiral aryloxy-



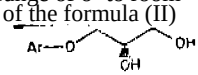
propanolamines of the formula (III)

where Ar represents substituted or unsubstituted aromatic ring and R represents an alkyl groups which comprises dihydroxylating 3-aryloxyl-1-propane of the formula (I)



I

where Ar has the meaning given above with osmium tetroxide, dihydroquinidine-p-chlorobenzo-ate, potassium carbonate and potassium ferricynide in the presence of a mixture of organic solvent and water at a temperature in the range of o° to room temperature to the corresponding (S) diol of the formula (II)



the (S) diol of the formula (II) to chiral aryloxypropanolamines by conventional methods.

Ref : NIL

Agent :

(Complete specification 11 Pages Drawing Sheet 1)

Ind. CI. : 146 D 177730

Int. Cl.[4] : G 02 B 3/00

INTRAOCULAR IMPLANT FOR CORRECTION OF MYOPIA.

Applicant : LABORATORIES DOMILENS, OF 321 AVENUE JEAN-JAURES, 69007 LYON, FRANCE.

Inventor : GEORGES BAIKOFF, FRANCE; PHILIPPI SUBRIN. FRANCE .

Kind of Application : Complete.

Application for Patent No. 797/Del/91 filed on 28-8-91.

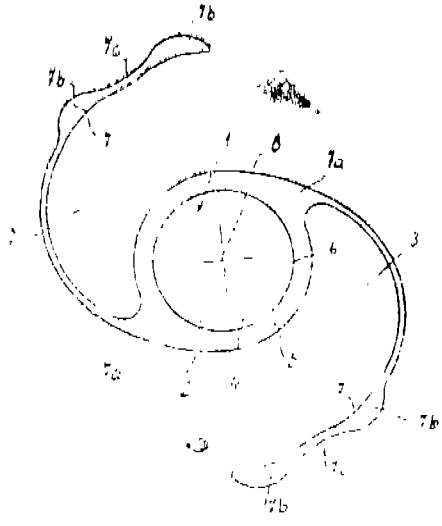
Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh New Delhi-no 005.

3 Claims

Intraocular implant for correction of myopia comprising an optic part (2) consisting of a central diverging lens of minus optic power having thickness Which increases radially front its optic centre (8) and a peripheral converging lens (5) for focusing the peripheral light in front of the retina and a haptic part (3) provided on both sides of such optic part for supporting said optic part characterised in that in combination, the radial extension of the central diverging lens (4) is limited by a circle with a diameter of between 3.5 mm and 4.5 mm, the radial extension of the peripheral converging lens (5) is increased to a circle with a diameter of between 4.8 mm and 6.5 mm for covering the retina in dim light, and said peripheral converging lens (5) has plus power in the range of between 20 to 60 dioptres.

EPO Patent Nos. 346245 and 346345 are referred in the specification.

Agent : Remfry & Sagar.



(Complete Specification 12 pages; Drawing Sheets 2)

Ind. Cl. : 145 F. 177731

Int. Cl. : B 29 B, 17/00 .

RECOVERY OF VIRGIN NYLON RESIN FROM NYLON SCRAP.

Applicant's : ABDUL GHAFOOR NAKHUDA, C/o Mr. H. S. KABLY 66 A, BANDSTAND BANDRA, MUMBAI-400050, MAHARASHTRA, INDIA.

Application No. 119/Bom/1992 filed on 13th Apr. 1992.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013,

2 Claims

An improved process of recovery of virgin Nylon resin from Nylon scrap, comprising sheredding or grinding Nylon scrap, washing with detergent and boiling in water to remove traces of detergent, and drying, and then Dissolving in a composition of 70% Formic Acid and 30% Acetic Acid, 'he filtrate is injected in distilled water to get a powdered mass of Nylon Resin.

(Complete Specification : 3 pages. Drawing : Nil).

Ind. Cl. : 45 G_3 (II) 177732

Int. Cl. : E03 D—1/14.

AN IMPROVED FLUSHING CISTERN.

Applicants : PHENOWELD POLYMER PRIVATE LIMITED, AN INDIAN COMPANY OF SAKIVIHAR LAKE ROAD, MUMBAI-400 072. MAHARASHTRA, INDIA.

Inventor : DEEPAK GAJANAN KELSHIKAR.

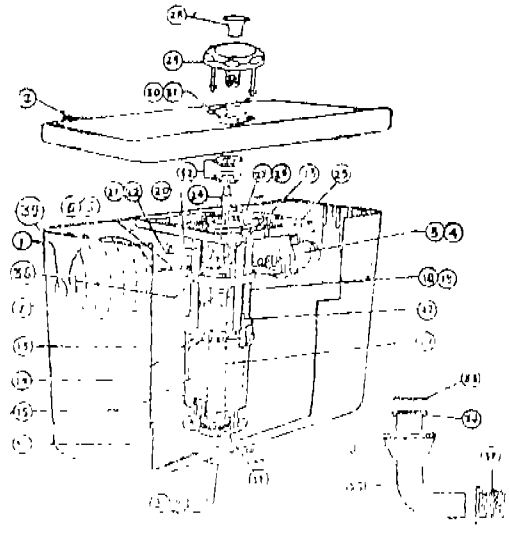
Application No. 351/Bom/1992 filed on 12-11-1992.

Complete after provisional left on 09-11-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Ruless, 1972), Patent Office Branch, Mumbai-400 013.

7 Claims

An improved flusing cistern with controlled discharge facility comprising a tank with lid which accommodates a discharge float valve enclosed in the main cup engaged to bottom outlet opening and inlet pipe with float ball valve to maintain water level in the said tank; said discharge valve includes a valve tube one end carrying a valve seal resting on valve seat fixed to said bottom outlet and other end connected to connecting rod protruding out of lid by clip and cotter pin fixture a cylindrical thermocole float with axial hole mounted over the said valve tube and a locking up fixed towards other end side of said valve tube keeps valve seal floating due to thermocole float, a flexible link drawing means to very the length of the flexible link engaged to float arm of said float ball valve passing through the said clip fixture and terminating into a special hook to vary the discharge through said outlet opening.



(Complete Specification ; 10 pages; Drawing 5 Sheets)

Ind. Cl. : 170 A. 177733

Int. Cl. : C 11 D—3/39, 3/395.

A CLEANING COMPOSITION COMPRISING AMIDO OR IMIDO PEROXYACIDS.

Applicants : M/s. HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors: (1) JANET LYNN COOPE
(2) STEPHEN ALAN MADISON
(3) JOHN FREDERICK HESSEL
(4) DANIEL JOSEPH KUZMENKA
(5) ROBERT WILLIAM RILEY HUMPHREYS.

Application No. 89/Bom/1993 filed on 30-03-93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

9 Claims

A. cleaning composition comprising :

(i) an amido or imido organic peroxyacid having a water solubility of less than $1x10^{-4}$M, present in an effective amount for bleaching;

(ii) a surfactant, present in an effective amount for suspending the peroxyacid; and

(iii) a pH-adjusting system present in an effective amount for maintaining pH from 3.5 to 8.5 during storage and; upon dilation with a wash water, causing pH to rise by at least 0.5 pH units.

(Complete Specification : 37 pages; Drwings : Nil)

Ind. Cl. : 189 Gr. [LXVI (9)] 177734

Int. Cl. : A 61 K—7/48.

MOISTURISING COSMETIC COMPOSITION,

Applicant : M/s. HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020 MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913,

Inventors ; (1) MASAAKI NAGASE

(2) NAHOKO NAKASHIMA

Patent Application No. 92/Bom/93 filed on 30-03-93.

G. B. Priority dated 01-04-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Mumbai-400 013.

12 Claims

A moistursing cosmetic composition which contains a combination of 1, 3-butane diol and 3-methyl-l. 3-butane diol in amounts varying from 0.1 to 50% by weight of each.

(Complete Specification : 21 pages; Drawings : Nil).

Ind. Cl. : 64 B 2 & 3, B; 64B2 177735

Int. Cl. : H 02 G, 15/00, 15/24.

A CABLE JOINT PROTECTION SHELL.

Applicant : LOTUS POLYMERS PVT. LTD., 67, HEM VILLA (2ND FLOOR). ABOVE MAHARASHTRA STATE CO-OP BANK, NEAR RLY. STATION, GOREGAON (WEST). BOMBAY-400 062, MAHARASHTRA, INDIA.

Inventor : JAGDISH SHANKAR LAL BANSAL.

Application No. 95/Bom/93 filed on 6th Apr. 1993.

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

4 Claims

A cable joint protection shell to protect cable joint against mechanical damage and moisture indruss comprising of lower circular bottom cover and upper hairpin conical cover having inside cavity of shape of the cable joint with circular side passage for cable entrance and number of holes for fixing nut bolts to be fixed rigidly.

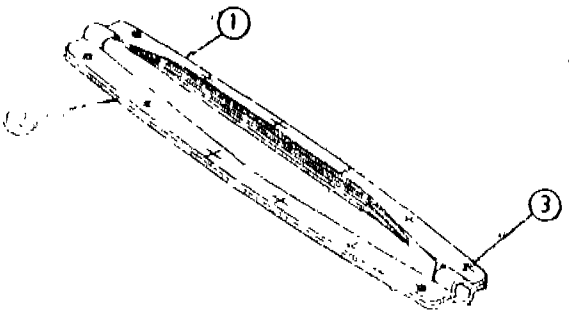


Fig. No. 1

(Complete Specification : 6 pages; Drawings : 3 Sheets)

Ind. Cl. : 147 J, Gr. [LX (3)]& 187 E 2, Gr [LXI (2)] 177736

Int. Cl. : H-04-R—17/00, 19/02, 19/04.

WAVE PROPAGATION AND RECEIVING SYSTEMS.

Applicant & Inventor : AJAY BABURAO SHIRKE OF 72-76, INDUSTRIAL ESTATE, MUNDHWA, PUNE-411036, MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

Patent Application No. 116/Bom/93 filed on 22-04-93.

Complete after provisional specification filed on 24-06-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Mumbai-400 013.

9 Claims

A wave propagation and receiving system which comprises an acoustically transparent first electrode; an acoustically-transparent second electrode spaced apart from the first electrode to define a space between the first and the second electrodes; and a charged diaphragm susspended in the space between the first and the second electrodes; characterised in that the first and the second electrodes are partially insulated to generate A.C. and D.C. electric fields dissimilar in strength and form in the said space in which the diaphragm is suspended to optimize the forces moving the diaphragm.

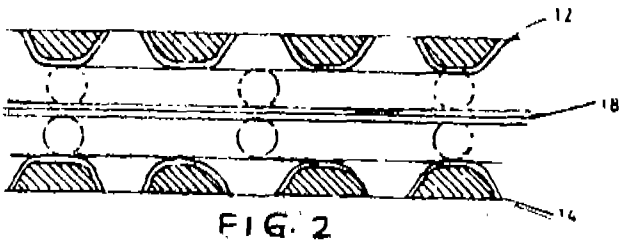


FIG. 2

(Provisional Specification : 14 pages; Drawings 3 Sheets) (Complete Specification : 13 pages; Drawings : 02 Sheets),

Ind. Cl. : 173 B [(XXIX (2)] 177737
188A [XXXIII (9)]:
70 C 5, C6 [LVII (5)]

Int. Cl. : B 05 B—5/08
C 25—9/00: 19/00.

AN IMPROVED POWDER COATING BOOTH.

Applicants : 1NTECH EXPORTS PVT. LTD., ANAND TARANG, 17, SHIVPARVATI HOUSING SOCIETY, PAUD ROAD, PUNE-411038, MAHARASHTRA, INDIA.

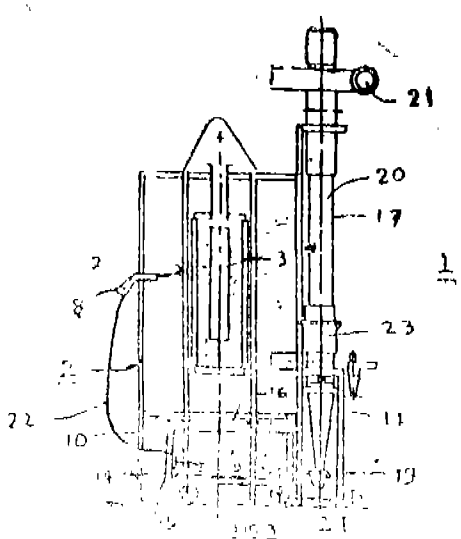
Inventor : SHIRI YASHWANT GOPAL GHAISAS.

Application No. 123/Bom/1993 filed on 26th Apr. 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claims

An improved powder coating booth comprising a six or more sided housing for powder coating, there is provided an entry side in the said housing for the article suspended on a conveyer belt to enter the said housing, there is provided a hopper forming the bottom portion of the booth, the said hopper being fixedly connected through resilient tubing placed in a rubberised channel, there being provided vibrating means for the said hopper having wheels below, air under pressure is let in the paid hopper placed at the bottom and holding the powder of the desired colour, the powder to be sprayed is fluidized and is made to pass through the hose and which is sprayed over an article with the help of a gun, there is provided a multi cyclonic certridge at the rear of the said booth to collect any floating powder particles which get sucked in the said multi cyclonic cartridge which get collected in the powder collecting bin below, excess air being exhausted through a filter placed above the system.



(Complete Specification : 6 pages; Drawings 2 Sheets)

Ind. Cl. : 170 A. Gr. [XLIII (4)] 177738

Int. Cl. : C 11D—1/62, 1/835.

A RINSE CONDITIONER POWDER.

Applicant : M/s. HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : GRAHAM ANDREW TURNER.

Patent Application No. 127/Bom/93 filed on 28-04-93.

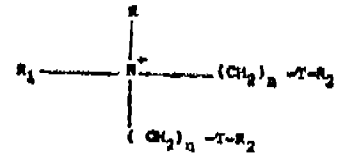
G. B. Priority date 28-04-92,

7—457 GI/96

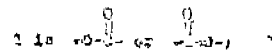
Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

6 Claims

A rinse conditioner powder containing greater than 40% to lesser than 95% a cationic active represented by the formula



wherein each R1 group is independently selected from $C_{1—4}$ alkyl, hydroxyalkyl or C_2—C_4 alkenyl groups, and wherein R_2 group is independently selected from C_7-$C2_7$ ALKYL or alkenyl groups;



n is an integer from 0-5;

and upto 20% of a non-ionic dispersion aid, the rinse conditioner powder having properties such that it may be dispersed with domestic lap water by the consumer to form a liquid dispersion of the powder outside the washing machine, then added as a dosed amount of the dispersion to the rinse liquor compartment of the washing machine in a conventional manner.

(Complete Specification : 22 pages; Drawings. : Nil.)

Ind. Cl. : 126 A, D [I-VIII (6)] 177739

Int. Cl. : G 06 M—11/00, G 01 N—15/00.

APPARATUS FOR COUNTING, MEASURING, DIFFERENTIATING, SEPARATING AND CONTROLLING THE MOVEMENT OF PARTICLES SUSPENDED IN A FLUID.

Applicant & Inventor : SHAILESH PRAKASH MEHTA, 10, RAM KRISHNA COLONY, KOTHI ROAD, UJIAIN-456 010, MADHYA PRADESH.

Application No. 133/Bom/1993 filed on 3rd May, 1993.

Complete after Provisional filed on 16th May, 1994.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

8 Claims

An apparatus for counting, measuring, differentiating separating and controlling the movement of particles suspended in a fluid having electrical properties different from that of said particles, comprising :

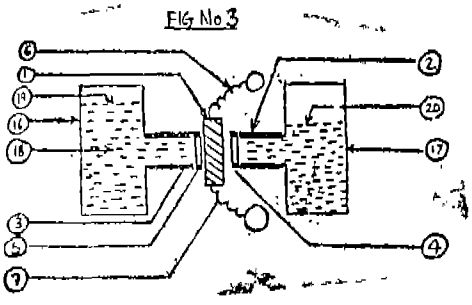
(a) a first means for establishing at least one stable constricted electrical path in sais fluid, comprising a pair of conduits, sealingly provided there between a transducer such that said particles pass from one conduit to another through said transducer, said transducer consisting of an insulating or semi-conducting substrate having hole, a plurality of electrodes being provided on said substrate at the periphery of said hole on one or both sides of the transducer and each of said electrodes being covered by an insulating covering without covering the end facing the hole and input electrodes of said constricted electrical path being connected to signal generating circuitry such that the presence of said particle in said constricted electrical path causes a measurable change in electrical characteristic at the measuring electrodes of said constricted electrical path wherein said signal generating circuitary comprises multi-frequency current sources, multi-frequency voltage sources and system for feeding the signal to input electrodes in various combinations.

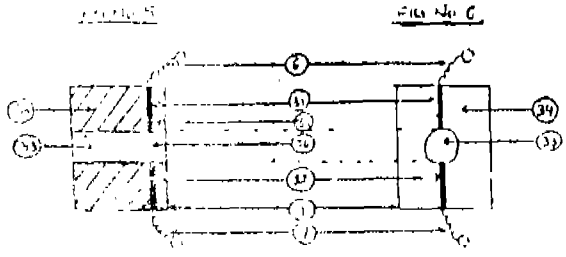
(b) a second means for controlling the pressure differential across the two ends of the transducer in a desiredway.

(c) a third means for measuring the charge in the electrical characteristics of said constricted electrical path resulting from the presence of said particle in said constricted electrical path by measuring the change in current or voltage at the measuring electrodes comprising high-pass filler, demultiplexers amplifiers, sample and hole, analog-to-digital converters, frequency modulators and amplitude modulators, and

(d) a fourth means for analysing the change in said electrical characteristics;

wherein said first, second and third and fourth means are so arranged as to enable counting measurement, differentiation, separation and control the movement of said particles.





(Comp. specn. 20 pages . Drgs. 5 sheets)
(Prov. specn, 16 pages; Drgs. Nil)

Ind. Cl. : 5B [I(i)] 177740
Int. Cl. : A 01 D-34/48, 34/70.

AN IMPROVED LAWN MOWER.

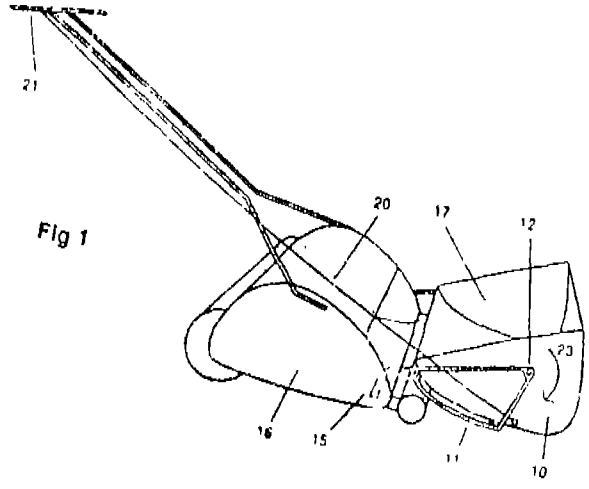
Applicant & Inventor: ANAND ZAVERI INDIAN NATIONAL OF OPP : RANMUKTESHWAR MAHADEV, HANSOL. AHMEDABAD-382 475, GUJARAT, INDIA.

Application No. l43/Bom/93 filed on 10-05-93.

Appropriate Office for Opposition Proceedings (Rule 4. Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

2 Claims

An improved lawn mower having means for collecting and emptying of grass clipping comprising of a main body having open top consisting of mechanism for grass cuttings handlebar secured with the said main body: a frame detachly secured with the said main body a container open at the top, positionedinpivotedthesaidframe,theopeninginjuxtaposision with the opening of the main body for collecting the grass clippings discharged by the grass cutting mechanism in the said main body through its open end ; a string member, one end secured to the collecting container at lower end and in alignment with the pivot and the other end secured to the free end of the said handlebar by jerk abrupt pull enables rotating of the said container to make up side down and vice versa.



(Comp. Specn, 9 pages: Drgs. 1 sheet)

Ind. Cl.: 127 1, 156 R 177741
Int. Cl.[4] : B 67 D 5/46.

ADJUSTABLE ACTION MECHANISM FOR VOLUMETRIC DISPENSING PUMP.

Applicant: INNOVACCIO I TREBALL COOPERATIU, ITC, S. COOP. C. LTDA, OF AV. DE MOLLET, 1, 08130 SANTA PERPETUA DE MOGODA, BARCELONA, SPAIN.

Inventor: JOSE ROCA VILASECA, SPAIN.

Kind of Application: Complete.

Application for Patent No. 744/Del/90 filed on 23rd July 1990,

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

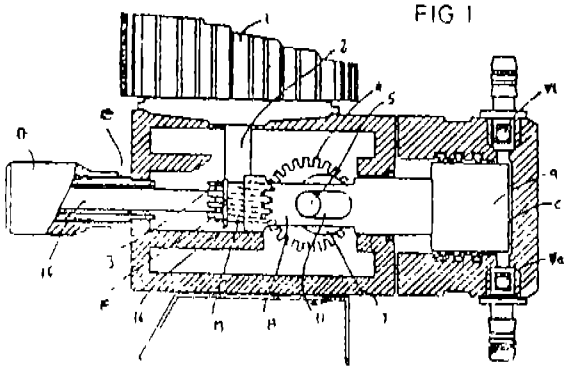
5 Claims

Adjustable action mechanism for volumetric dispensing pumps having a piston and motor for operating said piston, said motor acting on said piston through a gear unit and shaft with eccentric earn which acts upon a stem of said piston, characterized by said stem (8) of said piston 19) being provided with a tubular body having a diameter crossed by two orthogonal openings (10, 11), one of said openings (10) being a housing and front stop for said cam (7) which interacts with said piston (9), other said opening (11) being crossed by said shaft (5) carrying said eccentric cam (7), said opening (11) crossed by said shaft (5) carrying said cam (7) being of sufficient length to permit relative movement of said stem (8) of said piston (9) on said shaft (5) carrying said eccentrick cam (7), back end of said tubular stem (8) having an internal female thread (12). said female thread (12) being coupled to a tubular bolt (13); internal end of said boll (13) penetrating into said opening and constituting a variable position stop for said cam (7) during the drag of said piston (9) on return

Ref. : NIL.

Agent: Remfry & Sagar.

FIG 1



(Compl. Specn, 10 pages; Drgs. 3 sheets;

Ind. Cl. ; 139 A 177742

Int. Cl.[4] : C. 01 B 31/02.

A PROCESS FOR THE PRODUCTION OF LOW ASH ELECTRICALLY LOW RESISTANT STRONG AND DENSE CARBON BLOCKS USEFUL AS A CATHODE IN THE CELL FUR THE PRODUCTION OF ALUMINIUM.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI.

Inventor: DATTATRY MANIANATH BHAT, INDIA; NIKHIL BIKASH SARKAR, INDIA; SIBA PRASAD GHOSH. INDIA; DEB SHANKAR CHATTERJEE, INDIA: AMBARNATH SENGUPTA. INDIA; DILIP KUMAR MUKHERJEE, INDIA.

Kind of Application: Complete—Provisional.

Application for Patent No. 758/Del/90 filed on 27-7-90

Complete left after Provisional Specification on 14-8-91.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office (Branch, Karol Bagh, New Delhi.

4 Claims

A process for the production of low ash, electrically low resistant, strong and dense carbon blocks useful as a cathode in the cell for the production of aluminium which comprises mixing low ash metallurgical coke (LAMC) of the size below 0.42 mm having properties as herein described and calcined anthracite of the size ranging from 4mm—-0.296mm. of properties as herein described healing the mixture to a temperature in the range of 100—150°C adding a binder such as coal tar pitch having sofetening point 70—120°C in an amount of 15 —35 per cent(by weight of the coke) transfering mixture to a mould to form green carbon blocks under the pressure ranging from 0.15—4.5 tonnes per cm· at a moulding temperature in the range of 90—150°C baking the blocks initially under slow healing at the rate of 3—5°C per hour upto a temperature of 800°C followed by rapid heating at the late of 10—15°C, per hour upto a temperature of maximum 1400°C. backing the blocks for a period of 2—5 hours and cooling the blocks to room temperature.

Ref. : NIL.

Agent: CSIR.

Provisional Specification 4 pages.

(Compl. Specn. 8 pages; Drwg. Sheets Nil)

Ind. Cl. : 62 F. 177743

Int. Cl.[4] : A 47K 7/000,

A CONTROL DEVICE FOR AN AUTOMATIC WASHING MACHINE WITH A REVERSING PSC MOTOR,

Applicant: WHIRLPOOL CORPORATION, A DELAWARE CORPORATION. OF 2000 M-63 BENTON HARBOR. MICHIGAN 49022. UNITED STATES OF AMERICA.

Inventor(s) : (1) LARRY THOMAS BASHARK. U.S.A.

Application for Patent No. 770/Del/90 filed on 30th July 1990.

Appropriate Office for filing Opposition Proceedings (Rule-4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

11 Claims

A control device for an automatic washing machine having an agitation means and a motor with a winding, said motor being coupled to said agitation means to drive said agitation. means wherein said control device comprises ;

a motor control connected to the motor for cycling the motor off and on : a sensor connected to the motor for sensing the zero crossings of the residual alternating current in said motor when said motor is cycled off and for providing a representation of the residual current; and

means for controlling the level of water in said washing machine in response to the duration of said residual current representation comprising :

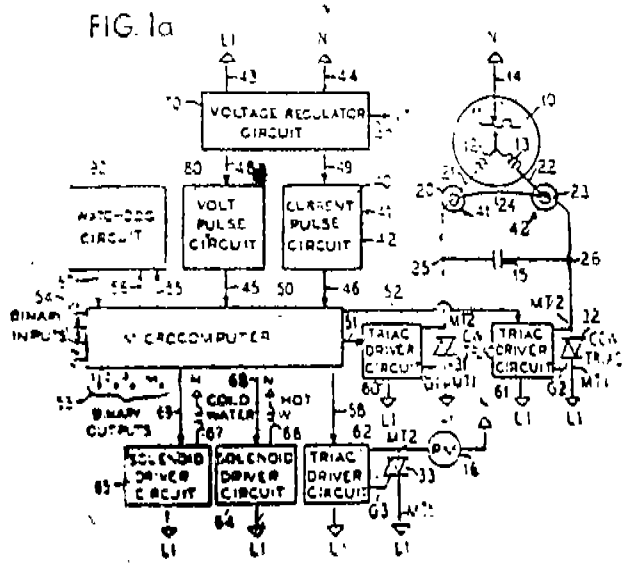
a microcomputer connected to motor control and the sensor to receive the representation of the residual current; and

at least one driver circuit for controlling the addition of water in and removal of water from the washing machine the driver circuit being connected to the microcomputer to receive operating input signals based on the residual current representations from the sensor to control the level of water such that the smaller said duration representation the higher said water level.

Agent: Lall Lahiri & Salhotra.

Foreign Patent references : U.S. Patent No. 4,481,786.

FIG. 1a



(Compl, Specn. 69 pages; Drwg, 16 sheets)

Ind. a.: 72 A (77744

Int. Cl. [4]: C 06 B 25/16.

A METHOD OF PREPARING WATER-IN-OIL EMULSION FOR USE IN AN EXPLOSIVE.

Applicant: MINING SERVICES INTERNATIONAL CORP., CEDAR PARK, SUITE C244, 5284 SOUTH 320, SALT LAKE CITY. UTAH, 84107, USA.

Inventor: CHARLES MICK LOWNDS, USA: STEVEN CHARLES GROW, USA.

Kind of Application : Complete.

Application for Patent No. 791/Del/90 filed on 7th August 1990.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

12 Claims

A method of preparing water-in-oil emulsion of use in an explosive comprising:

mixing a continuous phase of at least one insoluble organic fuel material of the kind such as herein described in an amount up to 20% of the emulsion, the partially polymerized organic fuel material having a predetermined theology as herein described and a discontinuous phase of an aqueous solution of at least one oxygen-containing salt of the kind such as herein described.

Ref: NIL.

Agent : ACME Co.

(Compl. Specn. 44 pages; Drwg, sheets Nil)

Ind. Cl.: 40 11 177745

Int. Cl:[4] : B 01 J 23/22.

A PROCESS FOR THE PREPARATION OF AN IMPROVED ZIEGLER NATTA TYPE CATALYST.

Applicant: HP CHEMICALS LTD OF BELGRAVE HOUSE 76 BUCKINGHAM PALACE ROAD, LONDON SW1W OSU, England.

Inventor: IEAN CLAUDE ANDRE BAILLY, FRANCE; PHILIPPE BRES, FRANCE.

Kind of Application : Complete,

Application for Patent No. 793/Del/90 filed on 7th August 1990.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh. New Delhi-110 005.

10 Claims

A process for the preparation of an improved Ziegler-Natta type catalyst based on a vanadium compound precipitated in a liquid hydrocarbon by reduction reaction of vanadium on a spherical support of magnesium chloride, characterized by contacting :

(a) a vanadium, reducing agent chosen from organometallic compounds of the kind such as hereinbefore described with,

(b) a vanadium compound containing at least one halogen and one alkoxy group of the kind such as hereinbefore described, soluble in said liquid hydrocarbon, and

(c) a solid support comprising :

(i) 80—99.5 mol% of magnesium dichloride said magnesium dichloride being substantially free of any product containing Mg-C bond, and

(ii) 0.5 to 20 mol % of at least one organic electron-donor compound, D, free from labile hydrogen, said solid support comprising spherical particles having a mass-average diameter, Dm of 10 to 100 microns and a narrow particle size distribution such that the ratio of Dm to the number average, diameter. Dn of the particles is less than 2.

EP-A-0099772 is referred in the specification.

Agent: Remfry & Sagar.

(Compl. Specn. 27 pages; Drwg. Sheets Nil)

Ind. Cl.: 170 B 177746

Int. Cl.[4]: C 11 D 1/82, 3/00. 7/00.

A HAIR CARE COMPOSITION.

Applicant: THE PROCTER & GAMBLE CO., 1, PROCTER & GAMBLE PLAZA, CINCINNAT, STATE OF OHIO, USA.

MINNESOTA MINING AND MANUFACTURING CO., OF 3M CENTRE, BUILDING 220-12W-01, ST. PAUL, STATE OF MINNESOTA 55144-1000. USA.

Inventor:

RAYMOND EDWARD BOLICH, USA.
PETER MARIE TORGERSON, USA.
JAMES EDWARD GARBE, USA.

Kind of Application for : Complete.

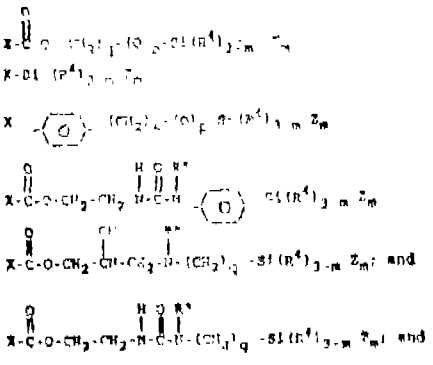
Application for Patent No. 827/Del/90 filed on 20th August 1990.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

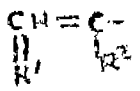
19 Claims

A hair care composition comprising

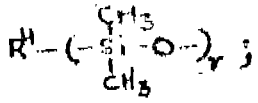
(a) from 0.1% to 10.0% of a silicone containing copolymer having a molecular weight of from 10,000 to 1,000,000 comprising a component selected from the group consisting: of: a lipophilic low polarity free radically polymerizable vinyl monomer (A) of the kind such as herein described a hydiophilic polar monomer which is copolymerizable with A, (B) and mixtures thereof; together with a silicone-containing macromer (C) of the kind such as herein described having a weight average molecular weight of from 1,000 to 50,000 based on polydimethylsiloxane selected from the group consisting of



wherein, m is 1, 2 or 3 ; p is o or 1 ; R" is alkyl or hydro gen ; q is an integer from 2 to 6 : s is an integer form 0 to 2; X is



R^1 is hydrogen or COOH: R^3 is hydrogen, methyl or CH_2COOH; Z is



R^4 is alkyl, alkoxy, alkylamino, aryl or hydroxyl ; and r is an integer from 5 to 700 ;
and wherein the silicone-containing copolymer comprises up to 98% of monomer A, monomer B, or a mixture thereof and from 0. 1% to 50% monomer C:

(b) from 0.5 to 99.5% of a conventional carrier suitable for application to hair as herein before described,

(c) the balance being conventional components of hair care compositions.

US Patent No. 3208911, 4601902, 4654161, 4563347, 4479893, and 3,957.970 are refered in the specification.

Agent: Lall Lahiri & Salhotra.

(Compl. Specn. 46 pages Drwg. Sheet Nil)

Ind. Cl.: 170 B 177747

Int. Cl.4 : C 11 D 3/20.

A PROCESS FOR PREPARING N. N'- (J-OXO-1. 2-ETHANEDIYL) -BIS (ASPARTIC ACID.) SALTS.

Applicant: THE PROCTER & GAMBLE CO., 1, PROCTER & GAMBLE PLAZA, CINCINNATI. STATE OF OHIO, USA.

Inventors :

MARK WILLIAM GLOGOWSKI, USA.
FREDERICK ANTHONY HARTMAN, USA.
CHRISTOPHER MARK PERKINS, USA.
STEPHEN WAYNE HEINZMAN, USA.

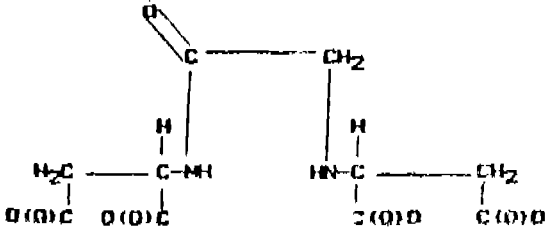
Kind of Application : Complete.

Application for Patent No. 833/Del/90 filed on 20th August 1990.

Appropriate Office for filling Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

3 Claims

A process for preparing a N, N' (1-oxo-l, 2- ethanediyal) bis (aspartate) compound, or storeoisomer thereof, comprising an OFDBA moiety of the formula:



said process comprising :

reacting in an aqueous alkaline solution

(i) an amino acid

with

(ii) a glyoxal reactant selected from glyoxal bisulfite, glyoxal/soduim bisulfite and glyoxal/sufur doxide:
wherein said amino acid is aspartic acid or a water-soluble salt thereof and wherein during said reaction the pH of said aqueous alkaline solution is maintained within the range from 8 to 9.

Ref. NIL.

Agent: Lall Lahiri & Salhotra.

(Compl. Specn. 44 pages; Drgs. Sheets 2)

Ind. Cl. : 32F3C, $55E_1$ 177748

Int. Cl.[4] : C07C 39/07. A6 IK 31/00.

AN IMPROVED PROCESS FOR THE SYNTHESIS OF 4- (2-ALKOXY ETHYL) PHENOL.

Applicant. COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001.

Inventors:

ALIA VENKATA RAMA RAO
MUKUND KESHAO GURJAR.
SHREERANG VIDYADHAR JOSHI.

Application for Patent No. 1026/Del/90 filed on 16th October 1990.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

An improved process for the synthesis of 4- (2-alkoxy ethyl) phenol of the formula (III) shown in the drawing accompanying this specification where R represents an alkyl such as ethyl or methyl group which comprises (i) treating 2-halo-1-(4-hydroxy-phenyl) ethanone of the formula (I) where X represents chlorine or bromine with a metal alkoxide in presence of an organic solvent to give 2-alkoxy-1-(4-hydroxy-phenyl) ethanone of the formula (II) where R represents an alkyl group (ii) reducing the compound of the formula (II) by conventional method to give the compound of the formula (III) where R has the meaning given above.

(Compl. Specn. 8 pages; Drwg. sheet1)

Ind. Cl.; 189 177749

Int. Cl.[4] A 61 K 7 16.

AN ORAL COMPOSITION SUCH AS TOOTHPASTE MOUTHWASH.

Applicant: COLGATE-PALMOLIVE, CO,. OF 300 PARK AVENUE, NEW YORK 10022, USA.

Inventors :

ABDUL GAFFAR, USA:
JOHN AFFLITTO, USA;
SAHAR F. SMITH USA,

kind of Application—Complete

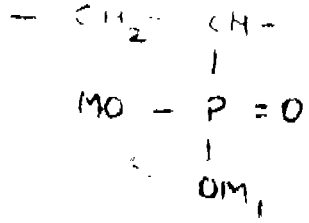
Application for Patent No. 1185/Del/91 filed on 3-12-91,

Appropriate Orfice for filing Opposition Proceedings (Rule 4, 1972). Patent Office Branch, Karol Bagh, New Delhi-110 005.

13 Claims

An oral composition such as toothpaste mouthwash which inhibits the transformation of amorphous calcium phosphate to HAP crystal structure, comprising adding, in an erally acceptable vehicle of the kind described hereinbefore, 0,1 to 7% of at least one linear molecularly dehydrated polyphosphate salt as anticalculus agent and 0.05 to 4% of at least one synthetic anionic polyvinyl phosphonate as enzymatic

hydrolysis inhibitor of said anticalculus agent in saliva, said polyvinyl phosphonate having recarrying groups



and average molecular weight of at least 1000 to 1,000,000 wherein M and H_1, are hydrogen, alkali metal or ammonium and are same or different; and optionally adding at least one secondary enzymatic hydrolysis inhibitor and one or more conventional additives of the kind such as described hereinbefore.

US Patent No. 4806341, 4627877 and 4515772 and Co-pending Application No. 1184/Del/91 are referred in the specification.

Agent. Remfry & Sagar

(Compl. Specn. 22 pages; Drwg. Sheet Nil)

Ind. Cl. : 32 F_3C 177750

Int. Cl.[4] : C 07 C 27/00, 37/00 & 39/00.

AN IMPROVED PROCESS FOR THE PREPARATION OF LIQUID PARA TERTIARY OCTYL PHENOL.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI.

Inventors :

PREM KISHORE SHARMA, INDIA.
SURESH CHANDRA JOSHI, INDIA
AJAY KUMAR BHATNAGAR, INDIA
RAGHUBIR SINGH GAHARWAR, INDIA.
GIRISH CHANDRA JOSHI, INDIA.
KSHITINDRA KUMAR BHATTACHARYYA, INDIA.

Kind of Application : Complete.

Application for Patent No. 120 /Del/91 filed on 6th December 1991.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, New Delhi-110 005.

3 Claims

An improved process for the preparation of liquid para tertiary octyl phenol which comprises of alkylating phenol with an alkylating agent such as 2 ethyl hexene formed in situ by heating phenol with a solid cation exchange resin catalyst such as herein described in a reaction vessel (fitted with inlet outlet and receiver) at atmospheric pressure and at a temperature in the range of 100°C—l80°C under stirring removing the water fanned by azetropic distilation rising the temperature to the range of 100°C—200°C, adding slowly 2 ethyl hexenaol over a period ranging from 75—90 minutes also under stirring removing the water formed by azeotropic distillation, continuing the heating under stirring for about 60 minutes, cooling to about 70°C removing the catalyst by filtration, and recovering octyl phenol by known methods.

British Patent No. 8211839 is referred in the specification.

Agent :

(Compl. Specn. 7 pages; Drwg. sheets Nil)

Ind. Cl. : 131-A_3 177751

Int. Cl.[4] : E 03 B 3/06.

MARINE COASTAL COLLECTOR WELL SYSTEM

Applicant & Inventor : THIRUPATTUR DAMODARA RAO. RESIDING AT 15, CHIDAMBRASWAMY Ist STREET, MYLAPORE, MADRAS-600004 TAMIL NADU, AN INDIAN SUBJECT.

Application No. 473/Mas/90 filed June 15, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. l972). Patent Office. Madras Branch.

7 Claims

A marine coastal collector well system comprising a central well with laterals extending into the aquifer with adequate sunmergence into the aquifer, the said laterals being either slotted or provided with permeable capsules at appropriately located openings in order to permit entry of water from the aquifer.

(Compl. Specn. 10 Pages: Drwgs, 1 sheet)

Ind. Class - 40-F & 167-C 177752

Int. Cl.[4]. -B 01 J 20/00

A PROCESS FOR THE PREPARATION OF A NOVEL CHROMATOGRAPHIC AGENT.

Applicant : VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION, K. R. ROAD, BANGALORE-560004 HAVING ITS REGISTERED OFFICE AT 1. VITTAL MALLYA ROAD, BANGALORE 560001, INDIA, A SOCIETY REGISTERED UNDER THE KARNATAKA SOCIETIES REGISTRATION ACT, l960.

Inventors : (1) CANDADAI SESHADRI RAMA DOSS
(2) HITEN VASANT LAKHEY
(3) PATNAM RAJAGOPALIENGAR KRISHNASWAMY.

Application No. 480/Mas/90 filed June 18, 1990

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for the preparation of a novel chromatographic agent consisting of a purified phosvitin immobilized and coupled to a suitable matrix of the kind as herein described, said process comprising mixing phosvitin with said matrix in a weight ratio of about 5 : 1, in the presence of a buffer of the kind as herein described so that the pH of the mixture is between 8.0 to 8.3, washing away the excess ligand of said phosvitin and blocking the remaining active groups of said phosvitin by treating the mixture with a primary amine as herein described to produce coupled phosvitin-matrix, washing said product in predetermined number of cycles of alternating pH and recovering in any manner said coupled phosvitin-matrix.

(Compl. 11 Pages)

Ind. Class -32-E 177753

Int. Cl. - C 08 F 2/18
120/00.

A PROCESS FOR THE MANUFACTURE OF SPHERICAL HIGHLY POROUS BEADS OF POLYMERS OF 2-HYDROXYETHYI. METHACRYLATE (PHEMA).

Applicant : SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY. TRIVANDRUM-695 012, INDIA. AN INDIAN INSTIUTE.

Application No. 531/Mas/90 filed July 2, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Brunch.

5 Claims

A process for the manufacture of spherical, highly porous beads of polymer of 2-Hydroxyethyl methacrylate (PHEMA) which comprises subjecting hydroxyethyl methacrylate monomer to a step of suspension polymerization at temperatures around 60°C to 80°C in the presence of magnesium hydroxide as suspension stabilizer prepared in situ, the monomer being used in the form of an aqueous dispersion containing a polymeric diluent such as polymethyl methacrylate in an organic solvent such toluene or poly (tetramethyleneglycol) in the presence of a cross-linking agent such as thyleneglycol dimethylacrylate (EGMD). said polymerization being carried out in the presence of a polymerization initiator such as A1BN.

(Com. - 22 Pages)

Ind. Class - 195-D. 177754

Int. Class - F 16 K 3/316.

A DISC FOR A DISC VALVE.

Applicant : PONT-A-MOUSSON S A OF 91 AVENUE DE LA LIBERATION F-54000 NANCY, FRNCE , A FRENCH COMPANY.

Inventors : (1) JEAN-CLAUDE ROYER, FRANCE

(2) JEAN-PIERE HANICOT, FRANCE .

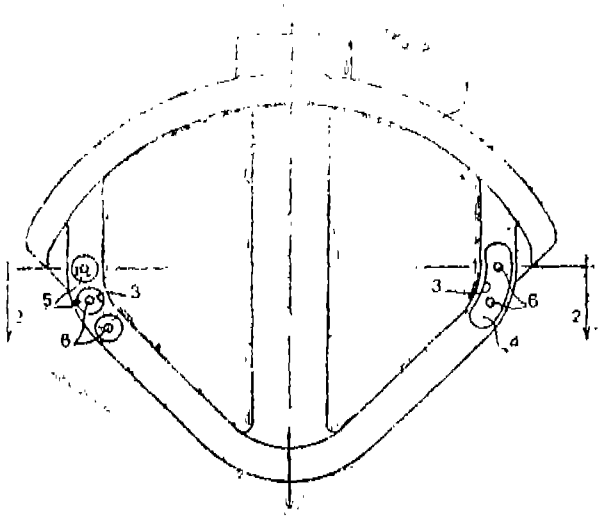
Application No. 694/Mas /90 filed August 31, 1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch,

9 Claims

A disc for a disc valve, said disc comprising a core (1) having at least one seating (3) on which a friction patch (7) with deformable lingers (8) is provided permitting perfect positioning and mechanical attachment of the said friction patch (7) on the core (1) of the disc.

Agents: M/s. DePenning & DePenning



(Compl. 10 Pages ; Drwgs, 3 sheets)

Ind. Class - 119 B 177755

Int. Cl. D 03 J 1 16

A DRAWING-IN DEVICE FOR THE AUTOMATIC DRAWING-IN OF WARP THRLADS INTO CORRESPONDING HARNESS ELEMENTS OF A WEAVING, MACHINE.

Applicant : ZELLWEGER USTER AG., OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND, A SWISS COMPANY.

Inventors : (1) HANS WILHELM, SWITZERLAND

(2) KARL SCHLEGEL, SWITZERLAND.

Application No. 721/Mas/90 filed September 12, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A drawing-in device for the automatic drawing-in of warp threads into corresponding harness elements of a weaving machine, said device comprising a drawing-in member, means for manipulating the said harness elements, and a control stage for controlling various functions of the drawing-in-device characterised in that said drawing-in device comprises a programming module (PM) a control molecule (SM), one of more working module (XM) and at least one overall system module (AM) for the various functions the individual modules being controlled by a common higher level computer which exclusively controlls the exchange of data and instructions between the said individual modules.

Agents: M/s, DePenning & DePenning

(Com. - 17 Pages; Drwgs - 3 Sheets)

Ind. Class - 69-I. 177756

Int Cl. - H 01 H 33/24.

ELECTRICAL CIRCUIT BREAKER WITH IMPROVED DIELECTRIC WITHSTAND.

Applicant : MERLIN GERIN, A FRENCH COMPANY, OF RUE HENRI TARZE. F 38050 GRENOBEL CEDEX. FRANCE.

Inventor : RAYMOND SOBOUL, FRANCE.

Application No. 754/Mas/90 filed September 21, 1990.

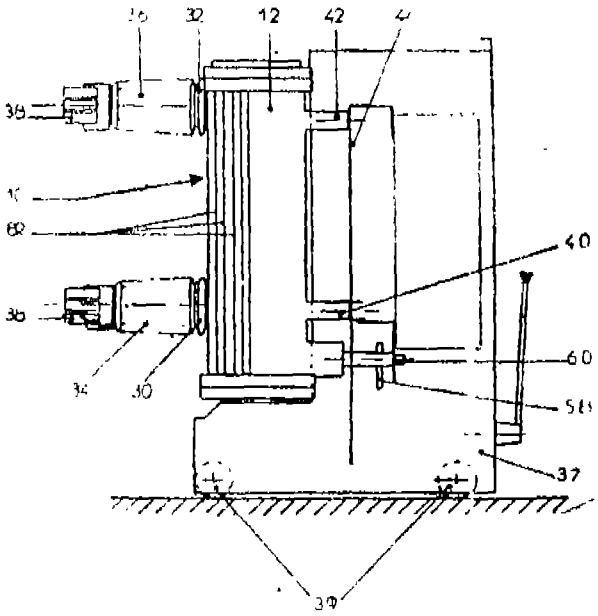
Divisional to Patent Application No, 186/Mas/87 (Patent No. 168698) antedated to March 17, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office. Madras Branch

4 Claims

An electrical circuit breaker with improved dielectric withstand comprising a main circuit for the rated current to flow through having a pair of fixed and movable main contacts an auxiliary shunting circuit having a pair of fixed and movable arcing contacts the fixed main contact and the fixed arcing contact being electrically connected to one of the connection terminals, whereas the movable main contact and the movable arcing contact are connected to the other connection terminal of the pole, a connection means between the fixed main contact and the associated connection terminal said connection means comprising at least two conducting bars extending parallel to the longitudinal axis of the casing, and each presenting a rectangular cross-section with rounded edges, the fixed main contact being provided with a tailpart acting as a spacer between the two offset bars, and a current connector formed by a draw-in arm having a first end rigidly secured to each connection terminal, and a second opposite and bearing a draw-in contact grip.

Agents : M/s. DePenning & DePenning



(Compl. 13 pages; Drawings 4 sheets)

Ind. Class - 105-C 177757

Int. Cl. G 01 N 22/00.

A DEVICE FOR MEASURING THE CONCENTRATION OF TWO SUBSTANCES BY MEANS OF THE TRANSMISSION OF ELECTROMAGNETIC WAVES.

Applicant : AGAR CORPORATION LTD., P.O. BOX 1764, GRAND CAYMAN, CAYMAN ISLANDS, A CAYMAN ISLANDS CO.

Inventor : JORAM AGAR, CAYMAND ISLANDS.

Application No. 763/Mas/90 filed September 26, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules. 1972), Patent Office. Madras Branch.

7 Claims

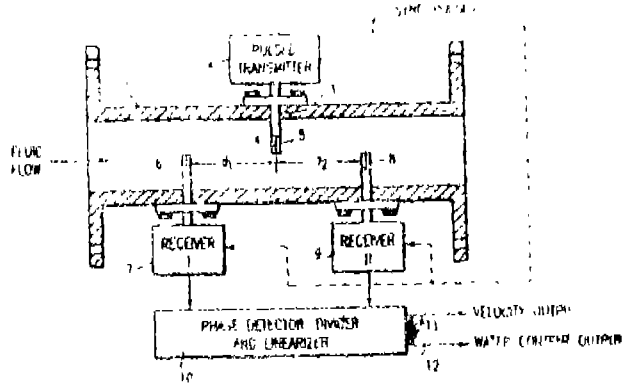
A device for measuring the concentration of two substances by means of the transmission of electromagnetic waves through a mixture of said substances, said device comprising.

a transmitter for transmitting through said mixture of said two substances a signal within a predetermined frequency band;

firs' and second receiving elements for receiving the signal transmitted by said transmitter through said mixture of said two substance and providing respective first and second output signals, said receiving element, being placed at two different distances from said transmitter; and

means for processing the first and second output signals to determine the concentration of the two substances using only the first and second output signals as variable obtained by means of transmission and reception of signals through said mixture of said two substances.

Agents : M/s. DePenning & DePenning



(Com. - 12 pages; Drawgs - 5 sheets)

Ind. Class : 131-A^2 177758

Int. CP. : G 01 V 1/40.

VIBRATOR ADAPTED FOR WORKING NOTABLY IN A WELL

Applicant : INSTITUTE FRANCAIS DU PETROLE, OF 4. AVENUE DE BOIS-BREAU, 92502 RUEIL-MALMAISON, FRANCE, A FRENCH BODY CORPORATE.

Inventor : PATRICK MEYNIER, FRANCE.

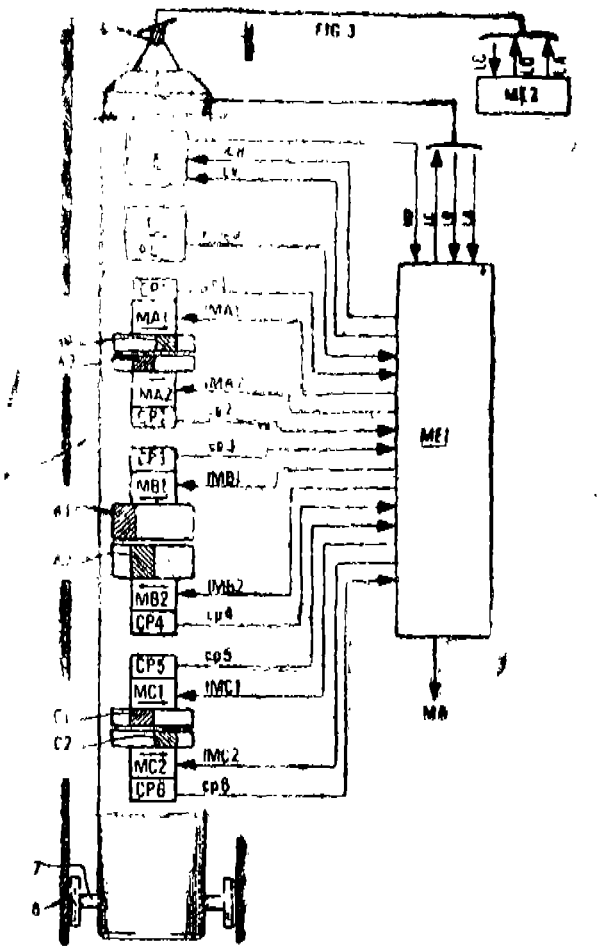
Application No. 972/Mas/90 filed December 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Madras Branch.

14 Claims

A Vibrator adapted for working notably in a well, comprising an extended body (4), a multifunction cable (5) fitted with electric conductors for linking the body to a remote installation, generating means for creating vibrations by controlling the rotating of eccentirc parts (A1-C2), means (6, 7) for anchoring the body to an application wall, pressure means (19, 20) for operating said anchoring means, a set of eccentric par's divided in two groups of parts with substantially identical masses, electric motors (MA1-MC2) respectively associated with the different eccentric parts for brining the two groups of pails to rotate but in opposite directions in relation to one another, the different motors being firmly attached to the body and substantially lined up following the same axis, and an electronic piloting system (ME1, ME2) at least one module of which is contained in the body for adjusting the rotation speed of each one of the motors as well as the angular phase shift of the eccentric parts of each one of the groups, resuiting generation of a vibrating force polarized following a particular direction substantially perpendicular to the common line-up axis of the different electric motors with an amplitude varying in a determined way according to the frequency.

Agents : M/s. DePenning & DePenning



(Com. - 23 pages; Drawings. - 3 sheets)

Ind. Class : 167-C 177759

Int. Cl.[4] : B 01 J 20/00.

A PROCESS FOR THE PREPARATION OF AN IMPROVED PHOSVITIN.

Applicant : VITTAL MALLYA SCIENTIFIC RESEARCH FOUNDATION. A SOCIETY REGISTERED. UNDER THE KARNATAKA SOCIETIES REGISTRATION ACT, 1960 HAVING ITS REGISTERED OFFICE, AT NO. 1, VITTAL MALLYA ROAD, BANGALORE-560 001, KARNATAKA, INDIA.

Inventors: (1) CANDADAI SESHADRI RAMADOSS
(2) HITENDRA VASANT LAKHEY
(3) PATNAM RAJAGOPALIENGAR KRISHNASWAMY.

Application No. 878/Mas/91 filed on 27th September 1991,

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for the preparation of an improved phosvitin which comprises reacting phosvitin with trypsin in a phosvitin-trypsin ratio of 100 : 1 at a temperature of at least 37°C and pH of 7.5

(Com. : 14 pages)

Ind. Class : 186-A. 177760

Int. Cl.[4] : H 01 P 7/10.

A DUPLEX FILTER FOR A RADIO TRANSCEIVER EMPLOYING ONE ANTENNA FOR BOTH RECEIVING AND TRANSMITTING RADIO SIGNALS.

Applicant : MOTOROLA INC., A CORPORATION OF THE STATE OF DELAWARE, U.S.A. OF 1303 EAST ALGONQUIN ROAD, SCHAUMBURG, ILLINOIS 60196, U.S.A.

Inventors: (1) MOUTRIE MICHAEL, U.S.A.
(2) RAYMOND L. SOKOLA, U.S.A.
(3) PHILIP J, GORDON. U.S.A.
(4) STEVEN R. GREEN, U.S.A.
(5) DAVID M. DEMURO, U.S.A.

Application No. 537/Mas/92 filed on 26th August, 1991.

Divisional to Patent Application No. 123/Mas/91 ; Antedated to February 13, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule*, 1972), Patent Office, Madras Branch.

5 Claims

A duplexer filter for a radio transceiver employing one antenna for both receiving and transmitting radio signals, comprising :

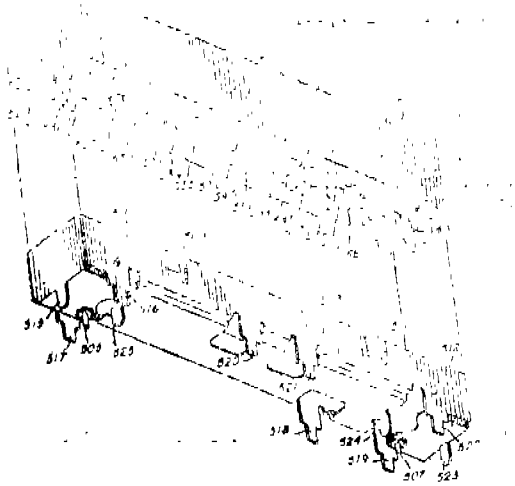
a first volume of dielectric material having at least two holes extending from a first external surface of a plurality of external surfaces of said first volume toward a second external surface of said plurality of external surface of said first volume, all surfaces of said first volume including surfaces within said at least two holes being substantially covered with a conductive material with the exception of said first external surface upon which surface is disposed at least one electrode coupled to said conductive material of one of said at least two hole surfaces;

a second volume of dielectric material having at least two holes extending from a first external surface of a plurality of external surfaces of said second volume toward a second external surface of said plurality of external surfaces of said second volume, all surfaces of said second volume including surfaces within said at least two holes being substantially covered with a coductive material with the exception of said first external surface upon which surface is disposed at least one electrode coupled to said conductive material of one of said at least two hole surfaces; first mounting means comprising :

(a) a conductive material having a recessed area for accepting and holding said first volume of dielectric material and an interior surface within said recessed area disposed essentially parallel to one of said plurality of external surfaces of said first volume of dielectric material,

(b) a terminal extending through said interior surface and providing electrical contact to said electrodes, and

(c) a plurality of mounting tabs disposed at predetermined positions opposite said recessed area for afixing said first volume of dielectric material to a substrate; and coupling means disposed on said substrate for coupling said terminal of said first volume to said second volume whereby receiver signals from the antenna may be rejected by one of said first and second volumes and transmitter signals from the radio transceiver transmitter may be rejected by another of said first and second volume.



(Compl. : 22 pages: Drgns. : 66 Sheets)

Ind. Cl. : 148 A 2. 177761

Int. Cl.[4] : H 01 B/1900.

A PROCESS FOR MANUFACTURING, OF INSULATED MINIATURISED WINDING WIRES FOR SCBMERSIBLE PUMP MOTORS.

Applicant : MAHESH CHAND GUPTA, 88 GANDHARVIKAH BHAWAN, CHIPLI GALI, VRINDABAN-281121, DISTRICT MATHURA, UTTAR PRADESH. INDIAN NATIONAL.

Inventor : MAHESH CHAND GUPTA, INDIA.

Kind of application : Complete.

Application for Patent No. 243/DEL/90 and filed on 14-3-90.

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

A process for the manufacture of insulated miniaturised winding wires of insulation thickness of atleast 0.15 mm for submersible pump motors which comprises first wrapping the metallic wire conductor with a film of Polyethylene terephthalate polymer having a thickness of 20 to 50 microns-further wrapping the sowrapped wire conductor with a film of Polypropylene polymer having a thickness of 20 to 50 microns and then scaling the finally wrapped wire conductor by heating it and then cooling it by any known manner.

Ref : NIL.

Agent ; A. N. NAGPAUL.

Compl. Specn. 5 pages: Drgs. sheet Nil)

Ind Cl. : 140 A 177762

Int. Cl.[4] : C 10 M 119/24, 119/26.

A LUBRICATING OR FUNCTIONAL FLUID COMPOSITION.

Applicant : THE LUBRIZOL CORP. OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, USA,

Inventor : LOUIS BURIES, USA STEPHEN AUGUSTINE BI BIASE, USA.

Kind of Applicant : Divisional

Divisional to Patent Application No. 506/Del/87 filed on 11-6-87,

Ante-dated to 11-6-87.

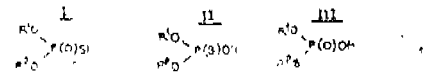
Application for Patent No. 2S1/Del/90 filed on 22-3-1990.

Appropriate Office for Opposition the Proceedings (Rule 4. Patents Rules 1972) Patent Office Branch, Rural Bagh, New Delhi-110 005.

10 Claims

A lubricating of functional fluid composition comprising from 90% to 99.9% by weight of an oil of lubricating viscosity

(A) from 0.10% to 10% by weight of a borated amine salt of at least one dihydrocarbyl monothiophosphoric acid selected from one or more of compounds of Formulae I, II, III of the accompanying drawings.



wherein R1 and R2 are each independently hydrocarbyl groups containing from 1 to 30 carbon atoms; and

(B)a nitrogen-containing compound of the Formula IX of the drawings

wherein R is hydrocarbyl, n is 1/2, 1 or 2, and where each x is independently halogen or OY ,Y being H, metal, ammonium or hydrocarbyl , or where together the two X groups are-o-or-N(R')-R' being alkyl or substituted alkyl.

US Patent No. 4538205,2063629,3984448 are referred in the specification.

Agent : Remfry & Sagar

(Complete Specification 124 pages Drawing Sheets 2)

Ind. Cl. : 32 B. 177763

Int. Cl.[4] : C 10 G 35/095.

A HYDROCRACKING PROCESS FOR THE MANUFACTURE OF A MIDDLE DISTILLATE PRODUCTS.

Applicant : UOP INC, OF EAST ALGONQUIN ROAD. DES PLAINES, ILLINOIS 60017-5017, USA.

Inventor : KARL ZEINER STEIGLEDER, USA.

Kind of Applicant : Divisional.

Divisional to Patent Application No. 334/Del/87 filed on 16-4-1987.

Ante-dated to 16-4-87.

Application for Patent No. 298/Del/90 filed on 23-3-1990.

Appropriate Office for Opposition the Proceedings (Rule 4, Patents Rules 19721 Patent Office Branch, Karol Bagh, New Delhi-110 005.

4 Claims

A hydrocracking process for the manufacture of a middle distillate product boiling in the range of 149 to 371°C said process comprising subjecting a high boiling hydrocarbon feedstock to hydrocracking conditions wherein said conditions comprise temperature from 93 to 815°C. pressure in the range of atmospheric to about 20685 KPa gage and a liquid hourly space velocity in the range of 0.1 to 1.5 hr-1 characterised in that said hydrocracking is carried out in the presence of a hydrocracking catalyst composition comprising a combination of a catalytically effective amount of a conventional hydrogenation component with a support containing a first modified Y zeolite component in intimate admixture with a

refractory inorganic oxide matrix, and second modified Y zeolite component in intimate admixture with the refractory inorganic oxide matrix, said first and second modified Y zeolite components having a unit cell size within the range of 24.20 to 24.35 Angstroms, wherein the unit cell size of said first and second modified Y-zeolite components are different, with the difference between the unit cell size being at least 0.1 Angstroms, the weight ratio of said first modified Y zeolite to said second modified Y zeolite being in the range of 0.1.1 to 10:1.

US Patent No. 4287048, 4137152, 3894534, 3804707, 3925195, 4477336 and 3764520 are referred in the specification.

Agent : Remfry & Sagar.

(Comp. Specn. 22 pages; Drgs. sheet Nil.)

Ind. Cl. : 107 FGK. 177764
Int. Cl.[4] : F 02 B 3/00, 15/00.

AN INTERNAL COMBUSTION ENGINE FUEL INJECTION APPARATUS.

Applicant : ORBTTAL ENGINE CO. PTY, LTD. OF 1 WHIPPIE STREET, BALCATTA 6021, AUSTRALIA,

Inventor : DAREN ANDREW SMITH, AUSTRALIA.

Kind of Application : Conventional.

Convention data : PI 3801/AU/20-4-90.

Application for Patent No. 371/DEL/90 filed on 16-4-90,

Appropriate Office for filing Opposition Proceedings (Rule 4. 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

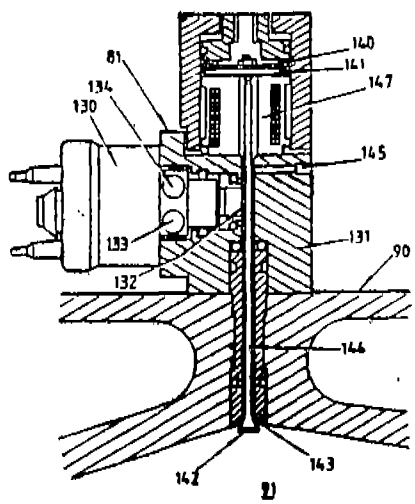
2 Claims

An internal combustion engine fuel injection apparatus, said apparatus comprising a fuel injector for injecting fuel directly into an engine combustion chamber (91), said fuel injector having an injector (131) body, an injector nozzle (142) being provided at one end of said injector body a valve (143) being located within said nozzle for selectively opening said nozzle, characterised by a solenoid (147) being provided within the injector body and being connected to said valve for displacing said valve to open said nozzle, an electric control unit (86) connected to said solenoid for cyclically energizing said solenoid to open said nozzle for delivering fuel in timed relation to the engine cycle and to periodically maintain the nozzle open after delivery of the fuel for allowing the gas to pass from the combustion chamber into the open nozzle for combusting contaminate deposits in the nozzle.

US Patent No. 4817873 and 4395025 are referred in the specification.

Agent : Remfry & Sagar.

Fig. 2.



(Comp. Specn. 14 pages; Drgs. 2 sheets.)

Ind. Cl. : 72 B. 177765

Int. Cl.[4] : C 06 B 25/36,

FOAMABLE FLUID EXPLOSIVE COMPOSITION.

Applicant : HER MAJESTY THE QUEEN AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE OF HER MAJESTY'S CANADIAN GOVERNMENT OF 101 COLONEL BY DRIVE, OTTAWA ONTARIO, CANADA, KIA OK2.

Inventor : MARK ALEXANDER BAKER CANADA-CRAWFORD JOHN ANDERSON. CANADA.

Kind of Application : Complete.

Application for Patent No. 428/DEL/90 filed on 4-5-90,

Appropriate Office for filing Opposition Proceedings (Rule 4. 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

14 Claims

A foamable fluid explosive composition, comprising a liquid foamable explosive herein before described in an amount in the range of from 57% to 98% by weight, of the composition a liquid emulsifier herein before described in an amount in the range from 2% to 6% by weight of the composition and balance one or more additives such as hereinbefore described comprisingly upto 37% by weight of the composition.

Ref ; US Patent No 2967099 is referred in the specification.

Agent : Remfry & Sagar.

(Comp Specn, 15 pages: Drgs Sheet Nil.)

Ind. CI. : 161 A, 177769

Int. Cl.[4] : G 01 B 007/34.

A DEVICE FOR RECORDING GEOMETRIC AND SURFACE PARAMETERS OF A ROAD.

Applicant ; DEPARTMENT OF ELECTRONICS, 4TH FLOOR, A-BLOCK CGO COMPLEX, LODI ROAD, NEW DELHI.

CENTRAL ROAD RESEARCH INSTITUTE, ROADS DIVISION DELHI MATHURA ROAD. NEW DELHI-110 020.

Inventors : (1) KRISHNA KANT, INDIA
(2) SIMON SUBHAKAR BUSHI, INDIA
(3) RAJU RAVI CHANDRAN, INDIA
(4) SANGITA ARORA, INDIA
(5) PRAMOD KUMAR NANDA, INDIA
(6) VED PRAKASH SHARMA, INDIA
(7) PARMOD KUMAR KANCHAN, INDIA
(8) SH1VDUTT SHARMA, INDIA,

Kind of Application : Provisional complete.

Complete left after provisional specification on 12-8-91.

Application for Patent, No. 445/DEL/90 filed on 10-5-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

A device for recording geometric and surface parameters of the roads comprising a transducers such as haldagear (h) connected to the speedometer chain (CH) of the testing vehicle being provided for measuring distance a grandometer (G) secured on the surface of the floor of the testing vehicle being provided for measuring vertical profile of the road, a gyrocompass (GC) being provided in the testing vehicle for measuring the horizontal curve of the road a fuel pulse

generating means (P) being provided the engine of the testing vehicle for measuring the fuel consumption in respect to the distance travelled by the vehicle and a bump intigrator unit (B) provided in the dickey of the vehicle and connected to the differential of the rear axle of the vehicle for measuring the roughness of the road, a microprocessor unit (MUP) being provided for recording and analyzing the readings measurements received from said transducers so as to determine geometric and surface parameter of the road.

Ref. NIL.

Agent : L. S. DAVAR.

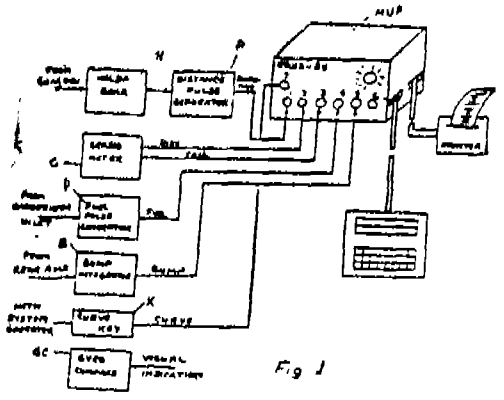


Fig 1

(Prov. Specn. 3 pages, Drgs, sheet 1.)
(Comp. Specn. 10 pages; Drgs, sheets 3)

Ind. Cl. : 131 A^2 177767
Int. Cl.[4] : E 21 D 15/20.

A MOBILE STOPE SUPPORT APPARATUS FOR BEING USED IN UNDERGROUND MINING.

Applicant : VAAL REEFS EXPLORATION AND MINING CO. LTD.. 44 MAIN STREET, JOHANNESBURG, TRANSVAAL, SOUTH AFRICA.

Inventor : GREGORY SLEZ1AK. JOHN TERRENCE BARRAT BOTH SOUTH AFRICAN; KLAUS HEINRICH SCHNEIDER, HORST WILLY KIELMANN BOTH GERMAN; RAYMOND GRAHAM TARR, SOUTH AFRICA.

Kind of Application : Complete Specification.

Application for Patent No, 457/DEL/90 filed on 14-5-90.

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

9 Claims

A mobile stope support apparatus for being used in underground mining, said apparatus comprising :—

(a) a plurality of mobile units (10) connected to one another;

(b) an overhead canopy for each unit;

(c) each of said units having upright double-acting front find rear legs (20) 1o support the canopy and which are resiliently interconnected and which are operable to raise and lower the canopy relative to a hanging wall of the stope:

(d) an extendable and retractable double-acting evlinder mounted pivotablly on each unit;

(e) a rail (33) to which the double-acting cylinder (36) of the units are connected; and

(f) pivoting means connected to the double acting cylinder tor pivoting the double-acting cylinder of each unit in an upright plane to lower the rail on to a footwall of the atope when the canopy is lowered away from the hanging wall and cause some legs of the unit to lift off the footwall while others remain in contact with the footwall, the double-acting cylinder then being operable to pull or push the unit relative to the rail such that those legs remaining in contact with the footwall slide over The footwall,

German Patent No. 2848406 and UK Patent No. 1389111. 2115048 A, 2123885 A, 2129476 A, 2096680 A, 2086462 A, 2007739 A. 1594032 are referred in the specification.

Agent Remfry & Sagar.

(Comp. Specn 12 pages; Drgs. 4 sheets)

Ind. Cl. : 32 C & 56. 177768
Int. Cl.[4] : C I0G 47/02.

A PROCESS FOR THE CATALYTIC REFORMING OF HYDROCARBONS.

Applicant UOP, 25 EAST ALGONQUIN ROAD, DES PLAINES, ILLINOIS, U.S.A.

Inventor : MARK DAVID MOSER, RANDY JOE LAWSON. LI WANG, GEORGE JOSEPH ANTOS, VIVEKANAND NARAYAN PARULEKAR.

Application for Patent No. 509/Del/90 filed on 28-5-1990.

Appropriate Office for Opposition Proceeding (Rule 4, Patent Rules. 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

8 Claims

A process for the catalytic reforming of hydrocarbon comprising contacting the hydrocarbon feed and hydrogen at catalytic reforming conditions including a pressure selected from 100 to 7000 KPa, a temperature selected from 315° to 600°C and an amount of 1 to 20 moles of hydrogen per mole of hydrocarbon feed, with catalyst located in at least two sequential catalyst zones, wherein

(a) The initial catalysl zone contains an initial catalytic composite comprising a combination of a platinum component of 0.01 to 2 mass % , a germaniam component of 0.05 to 5 mass % on an elemental basis, and a halogen component with a refractory inorganic oxide of the kind such as herein described; and

(b) The terminal catalyst rone contains a terminal catalytic composite which is essentially free of germanium and comprises combination of a platinum component of 0.01 to 2 mass % a halogen component, and catalytically effective amounts of a metal promoter content of 0.01 to 5 mass % metal on an elemental basis selected from thenium, indium, rhodium, ruthenium, cobalt, nickel, indium, and mixtures thereof with a refractory inorganic oxide of the kind such as herein described.

(Comp. Specn. 35 Pages; Drgs. 4 sheets.)

Ind. Cl. : 201 C D. 177769
Int. Cl.[4] : C 02 F 5/00.

AN APPARATUS FOR CLARIFYING RAW WATER CONTAINING PARTICULATE CONTAMINANTS.

Applicant : THE LENOX INSTITUTE OF WATER TECHNOLOGY INC., FORMERLY KNOWN AS LENOX INSTITUTE FOR RESEARCH INC. OF 101 YOKUN AVENUE, LENOX, MASSACHUSETTS 01240, U.S.A.

Inventor : MILOS KROFTA, U.S.A.

Kind of Application : Complete.

Application for Patent No. 520/Del/90 filed on 29-5-1990,

Appropriate Office for filing Opposition Proceedings (Rule 4, 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

13 Claims

An apparatus for clarifying raw water containing particulate contaminants, the apparatus comprising (i) a cylindrical flotation tank (14), (i'\) an inlet means (16) connected to the floation tank (14) for law water, (iii) an inlet means (44) for aerated water connected to feed the flotation tank, (14) (iv) water level control means (126, 62) for controlling the water level within the tank (14), (v) floated sludge removal means (12) for removing floating sluge from the surface of the water held in the tank (14) formed by a flow of rising air bubbles released from the aerated water in the tank (14) which coalesce with particulate contaminants from the raw water and with a flocculation agent introduced into the flotation tank (14), said sludge removal means (22, 22a-22d) provided with a sludge collection compartment (58), a rotating scoop (22) that extends radially over said flotation tank (14), said scoop (22) having a central conduit (22a) with openings (22c) to receive sludge that is inclined towards said sludge collection compartment (58), at least one blade (22b,) mounted on said conduit (22a), and rotating means (74, 75) for rotating said blade (22b), whereby said blade (22b) stoops floated sludge from the top of said flotation tank (14) and directs it to the interior of said conduit (22a), and (vi) clarified water outlet means; (14c, 14a) directing the clarified water with contaminants thus removed from the flotation tank (14) said scoop (22) having a screw (68) mounted for rotation within said conduit (22a) extending substantially the entire length of said conduit (22a), and rotating means (72. 73) for rotating said screw (68) with respect to said conduit (22a) to advance said scooped, flotation sludge along said conduit (22n) to said collection compartment (58).

Ref : US Patent No. 4022696
4377485, 4626345
2874842, 4184967
Agent Remfry & Sagar.

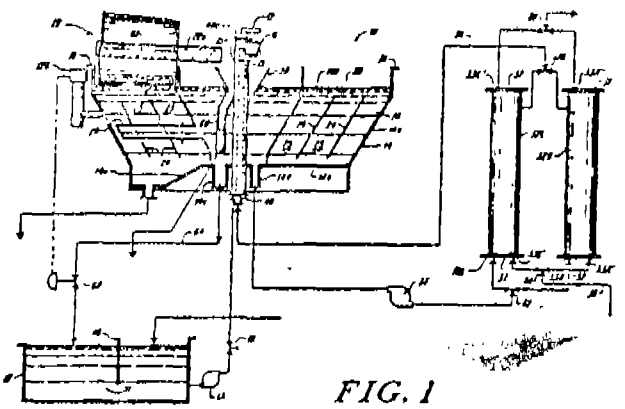


FIG. 1

(Comp. Specn. 166 pages; Drgs, 9 sheets.)

Ind. Cl. : 63 I. 177770
Int. Cl.[4] : H 02 N, 1/08.

A PERMANENT SPLIT CAPACITOR MOTOR.

Applicant : WHIRLPOLL CORPORATION, 2000 M-63, BENTON HARBOUR, MICHIGEN 49022, U.S.A.

Inventor ; ARNE MEARL NYSTUEN. U. S., EDWARD HOCHSTETTLER GETZ, U.S., JEFFREY LEE BURK, U.S.

Kind of Application : Complete.

Application for Patent No. 522/DEL/90 filed on 30-05-1990.

Appropriate Office for filing Opposition Proceedings (Rule 4. 1972) Patent Office Branch, Karol Bagh, New Delhi-110 005.

7 Claims

A continuously reversible permanent split capacitor motor comprising;

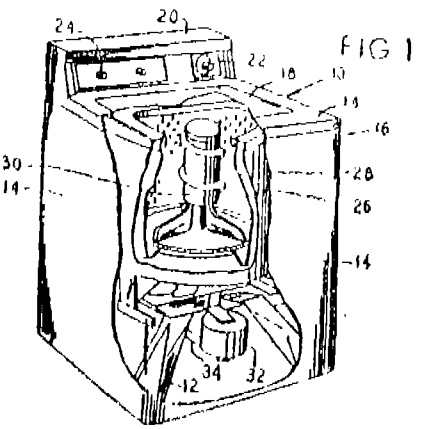
a rotor having an outer diameter;

a stator surrounding the rotor and having a bore diameter and an outer diameter such that a stator ratio defined as said bore diameter divided by said outer diameter of said stator is less than 0.5;

a stator run winding line provided on the stator and having a stator rub winding with a first number of turns coupled in a series with a first switch; and stator auxiliary winding line provided on the stator and coupled in parallel to said run winding line and having a stator auxiliary winding with a second number of turns coupled in series with a second switch, and the winding ratio between the first and second number of turns being greater than or equal to 1.0.

Ref. : NIL.

Agent : LALL LAHIRI & SALHOTRA.



(Comp. Specn, 22 pages. Drgs, 6 sheets.)

Ind. Cl. : l57-A-3&2 177771
Int. Cl.[4] : E 01 B 7/00, 25/00

"MEANS FOR CONNECTING RAILWAY POINT COMPONENTS TO RAILS"

Applicants : VAE AKTIENGESELLSCHAFT, A COMPANY UNDER AUSTRIAN LAW OF A-1010 VIENNA, ROTENTURMSTRASSE 5—9 AUSTRIA.

Inventors : JOHANNES BLUMAUER

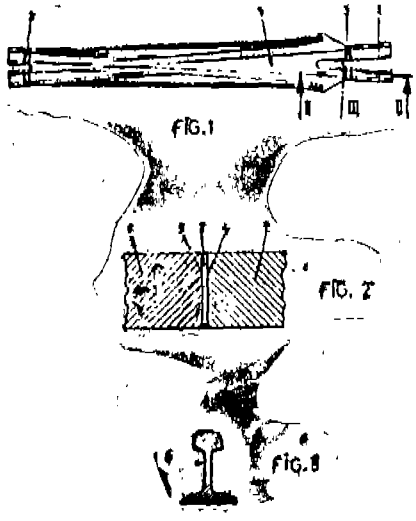
Application No. 528/Cal/1991 filed on 09 July, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Means for connecting railway point components to rails made from carbon steel comprising an intermediate piece made from low-carbon austenitic steel welded to a standard rail, said welded intermediate piece cut to a length of less than 25 millimetres by a second welding said intermediate piece being welded to a component consisting of cast hard manganese steel or to the manganese steel rail wherein said

intermediate piece consists of a low-carbon, austenitic, stile stabilised with niobium and/or titanium.



(Comp. Specn. 11 pages; drgs. 1 sheets)

Ind Cl. : 39 (E) 77772
Int. Cl.[4] : B 01 J 23/76

"A PROCESS FOR THE PREPARATION OF NICKEL OXIDE PROMOTED DEHYDROGENATION CATALYSTS."

Applicants : UNITED CATALYSTS INC., P.O. BOX 513170, LOUISVILLE, KENTUCKY 40202, UNITED STATES OF AMERICA, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE UNITED STATES OF AMERICA.

inventor : DAVID LEWIS WILLIAMS.

Application for Patent No. 13/Cal/1992 filed on 8th Jan

(Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the preparation of nickel oxide promoted dehyrogenation catalyst comprising 60 to 90 weight percent iron oxide, 4.9 to 15 weight percent alkali metal oxides, such as herein described 2 to 9 weight percent alkaline earth metal oxides, such as herein described 2 to 9 weight percent oxides of a lanthanide having an atomic number of 57--62, 1 to 4 weight percent molybdenum or tungsten oxide, 0 to 0.5 weight percent chromium oxide, and 0.1 to 2,5 weight percent nickel calculated as nickel oxide wherein said weight percents are based on the total weight of the catalyst, which comprises blending iron oxide with alkali metal hydroxides, carbonates or bicarbonates, alkaline, earth metal oxides or hydroxides, oxides and salts of lanthanides having atomic numbers of 57—62, molybdenum or tungsten oxides or salts and nickel component such as nickel oxide or salts optionally adding chromium oxide or its salt, said blending being conducted using necessary amount of water to produce a pasty mass, converting the paste into required shapes followed by calcining same at a temperature between 500°C to 1000°C to drive off water and water of hydration or to convert or decompose the salts to oxides so as to yield the final catalyst.

[Comp. Specn, 27 pages; drgs,. 0 sheets).

Ind. Cl. : 188 177773
Int. Cl.[4] : D 06 M 11/04

"A PROCESS FOR PLATING AN ARAMID SURFACE"

Applicants : E. I. DU PONT DE NEMOURS AND COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, LOCATED AT WILMINGTON, DELWARE, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT RAY BURCH,
2. RICHARD GOULD.

Application for Patent No. 238/Cal/1992 filed on 8th April, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for plating an aramid surface such as herein described with a strongly adherent metal coating comprising the steps of :

(ii) contacting the surface of an aramid structure with an aqueous solution of activating metal cations such as herein described;

(b) rinsing the surface of the aramid structure to remove nonadherent activating metal cations;

(c) immersing the rinsed aramid surface in an aqueous solution of metal cations such as herein described to be plated; and

(d) adding a reducing agent such as herein described to the aqueous solution of metal cations;

Whereby metal cations are reduced to metal and are plated on the aramid surface,

Wherein the improvement comprises,

using, as the material which forms the aramid surface a composition including from 70 to 96, weight percent, aramid and from 2 to 30, weight percent, polyvinylpyrrolidone (PVP).

(Comp, Specn. 16 pages; drgs, 0 sheets).

Ind. Cl. : 128 F & I (XIX (2)] 177774
Int. Cl.[4] : A 61 M, 16/20

"MEDICAMENT DESPENSING DEVICE"

Applicants : NORTON HEALTHCARE LIMITED, A COMPANY REGISTERED IN ENGLAND, OF GEMINI HOUSE, FLEX MEADOW, HARLOW, ESSEX CM 19 5 TJ. ENGLAND.

Inventor : RAYMOND BACON.

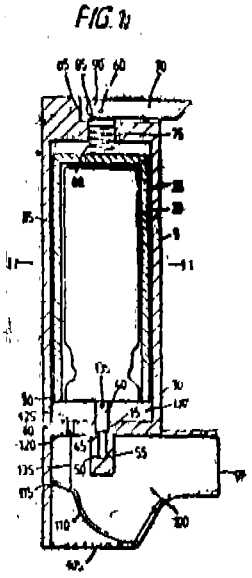
Application for Patent No. 325/Cal/1992 filed on 13 May, 1992.

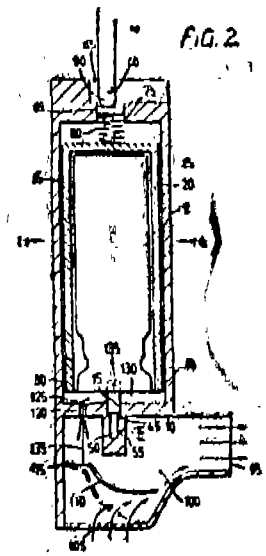
Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A dispensing device for use with a drug delivery system comprising a means for releasing a measured dose of medicament from the system, the releasing means comprising a means for applying a preload capable of actuating the delivery means in the system, a means for applying a resisting pneumatic force capable of preventing actuation of the delivery means, and a release device capable of freeing the resis-

ting prematic force to allow the preload to actuate the delivery means and dispense the medicament





(Comp. Specn. 17 pages, drgs. 5 sheets).

Ind. Cl. : 160 C L 11 (3) 177776

Int. Cl.[4] : B 605 1/04

WINDSCREEN WIPER BLADE,

Applicants : TRICO LIMITED, A BRITISH COMPANY OF PONTYPOOL, GWENT, NP 4 OXZ, UNITED KINGDOM.

Inventor : PETER MOWER.

Application for Patent No. 496/CAL/1992 filed on 13 Jul, 1992.

Priority No. 9115611.7 on l9-7-91 in U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A windscreen wiper blade comprising a harness having a number of yokes and/or leavers (23) articulated together and having, at free ends thereof, claws (17) engaging around part of a, blade rubber (1), the claws having a generally overhung channel section (25) with a part (7) of the blade rubber residing in the channel while the working part (3) of the blade rubber projects therefrom, the blade rubber being moulded to provide a flash (21) positioned for projecting from the opposite face of the blade rubber to a lip (5) for engaging the windscreen, characterised in that at least one of the claws is formed with a slot or recess (31) aligned with the flash (21) on the blade rubber to allow the flash to be positioned and move within that slot or recess, the recess or slot being formed centrally in the base (20) of the channel section and being oriented longitudinally of the length of the blade rubber, the channel being open at both ends.

(Comp. Specn. 8 pages; drgs. 5 sheets).

Ind. Cl . 206 E 177777

Int. Cl.[4] : G 07 F 07/10 G 06 F 15/30

"ELECTRONIC-MONETARY SYSTEM"

Applicants : CITIBANK, N. A. OF 399 PARK AVENUE, NEW YORK, NEW YORK 10043, UNITED STATES OF AMERICA.

Inventor : SHOLOM S. ROSEN.

Application for Patent No. 721/CAL/1992 filed on 7th Oct, 1992.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An electronic monetary system comprising ;

a computer controlled accounting system associated with an issuing bank;

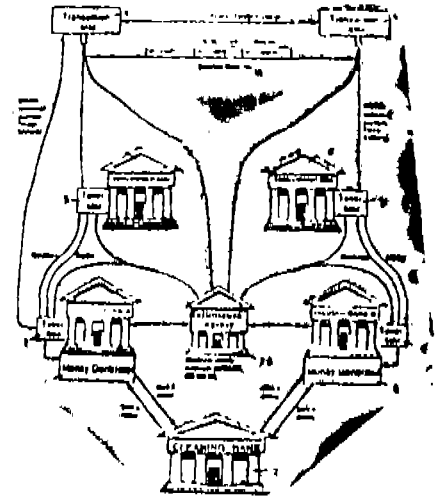
a money generator module associated with said issuing bank, that generates said electronic notes, wherein a money issued liability account in said accounting system is credited by said original monetary value associated with generated-electronic notes;

a teller module associated with said issuing bank that stores said electronic notes, and intermediates banking transactions involving said electronic notes; and

a plurality of tamper-proof electronic transaction modules each comprising :

a memory that stores electronic notes whore each electronic note has an original monetary value generated by said nicaye generator module and a transfer record having a transferred monetary value and a receiving module identifier;

where said transaction modules perform on-line transactions with said teller module, and exchange said electronic notes with other transaction modules in off-line transactions.



(Conmp. Specn. 104 pages; drgs. 66 sheets).

Ind. Cl. : 154 177778

Int. Cl.[4] : B 41 F-31/00

PROCESS AND MACHINE FOR MULTICOLOUR PRINTING WITH SINGELE IMPRESSION.

Applicants : CHANDAR PARKASH KANT OF 14/1 GARIAHAT ROAD (3RD FLOOR) CALCUTTA-700019, INDIAN.

Inventor . CHANDAR PARKASH KANT.

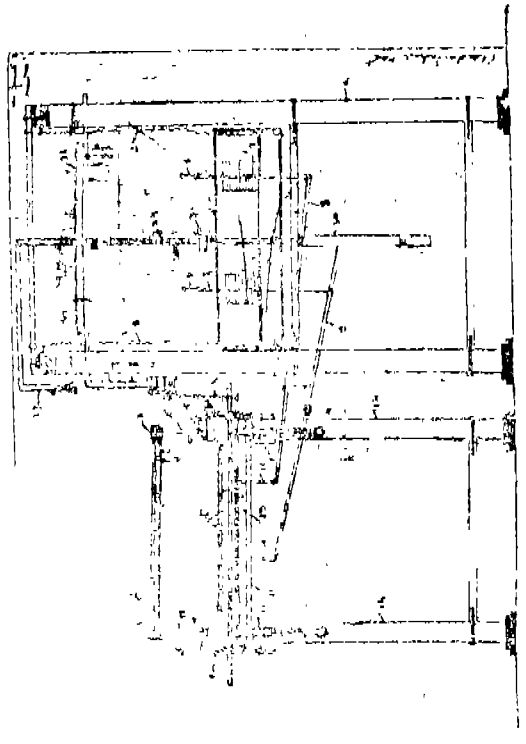
Application for Patent No. 127/CAL/1993 filed on 2 Mar, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

Machine for Multicolour Printing with Single Impression of graphi designs in line art with separate flat colours comprises Feeding Unit/Units hiving Feeding Channels to feed

liquid ink locquers to the Matrix for printing on paper or any other suitable surface like hoard, plastic, celluloid and metal sheets and the likes, where Accentric Wheel Cam is provided to move a Lifting Frame for lifting the Valve Rods from Counters in the said Feeding Channels to release controlled now of liquid ink to the Matrix; Impression Unit having a Duplex Base-plate consisting of Inner Base-plate on which the Matrix is placed and, Outer Base-plate which supports the Inner Base-plate; the said Impression Unit having Double-sided impression-plate provided over the Matrix for impression purpose; the said impression Unit also having on its both left-hand and right-hand sides Gear Ruck with two matching Pininos, one on either side, fined on Horizontal Plate. Arm provided with Ballet and Bullet Housing in the middle on its inner side with one end of the Arm engaging the Pinion on far side of the Gear Rack, the other end of both the Arms being connected to a Double Handle Bar in from for operating the Impression Unit; the Hook arrangement between the Accentric Wheel Cam in the Feeding Unit and the Double Handle Bar in the Impression Unit being such that when paper placed on one side of the Double-sided Impression-plate is brought in contact with the Matrix under pre-determined pressure by operating the Double Handle Bar liquid ink of different colours, through separate Feeding Channels from a fixed predetermined level which is higher than that in the Matrix, is released as a result of Accentric Wheel Cam action which lifts the Valve Rods in the Feeding Channels and, printing of image in multicolours, as on the Matrix, takes place on paper and, while this process is being carried out, next sheet of paper is placed on the other side of the Double-sided Impression-plate for the next cycle.



(Comp. specn. 18 pages; drgs. 3 sheets).

Int. Cl. : 55 F-XIX(1) 177779

Int Cl.[4]; A 61, K 33/06

INJECTABLE PREPARATIONS FOR CURING AFFECTED ABNORMAL TISSUES, METHOD FOR THE PREPARATION THEREOF, AND USAGE THEREOF.

Applicants : TRADITIONAL CHINESE MEDICINE RESEARCH LABORATORY INC. OF 4-12, MATSUYAMA 1-CHOME, NAHA-SHI, OKINAWA, JAPAN, A JAPANESE CORPORATION.

Inventor : OKAZAKI HIDEO.

Application for Patent No. 203/CAL/1994 filed on 28 Mar, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for preparing an injectable preparation such as herein described comprising mixing at least a water-soluble aluminium compound in a concentration ranging from 0.01 mole to 0.5 mole, optionally with a chelating agent such as herein described, of 0.5% to 25.0% of tannic acid with respect to said water-soluble aluminium compound, and sodium hydrogen sulfite ; wherein a pH of said composition ranges from pH 1.5 to pH. 3.5.

(Comp, specn. 26 pages drgs. 0 sheet).

Ind. Cl. : 56 G (V) 177780

Int. Cl.[4] : C 13 F-l/02 C 13 F-l/00

"PROCESS OF MANUFACTURING CRYSTAL SUGAR FROM AN AQUEOUS SUGAR JUICE SUCH AS CANE JUICE. OR SUGAR BEET JUICE"

"Applicants : APPLEXTON A BODY CORPORATE ORGANIZED UNDER THE FRENCH LAWS OF 264, AVENUE DE LA MAULDRE, 78680 EPONE.

Inventor : 1. ROBET JEAN KWOK,
2. XAVIER LANCRENON &
3. MARC-ANDRE THEOLEYRE.

Application for Patent No. 931/CAL/1994 filed on 8th November, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the manufacture of crystallized sugar contaning a low amount of colorants, from an aqueous sugar juice containing sugars and organic and mineral impurities, including Ca+2 and/or Mg^2 ions, such as a sugar cane or sugar beet juice, comprising the following operations :

(a) concentration of said sugar juice to give a and

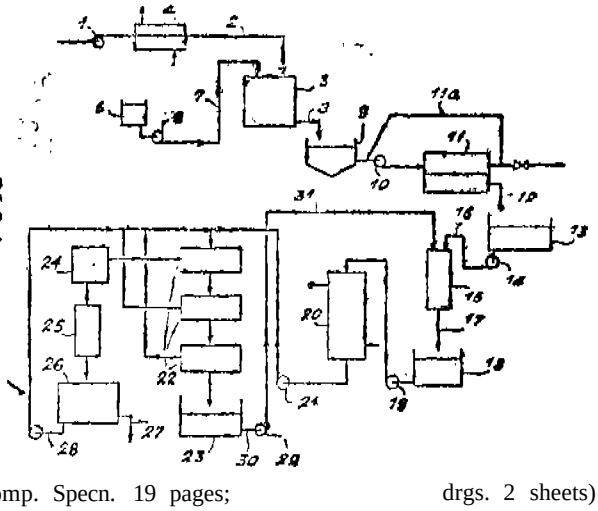
(b) crystallization of said syrup to give a crystal sugar and a molasses,

characterized in that it also comprises an operation .

(c) of tangential microfiltration, tangential ultrafiltration or tangenntial nanofiltration, this operation being effected before operation (a) and,

Optionally carrying out a softening operation, this operation being effected before operation (a) and on the sugar juice which has undergone the tangential microfiltration, ultrafiltration or nanofiltration operation.

FIG.1



(Comp. Specn. 19 pages; drgs. 2 sheets)

OPPOSITION PROCEEDINGS

Opposition entered by NRDC, India on 12th September, 1989 for a grant of Patent to KERR-Mc GEE Chemical Corporation on application No. 164435 (835/DEI/85) has been dismissed and the application allowed to proceed for scaling.

An Opposition entered by M/s. The Jay Engineering Works Ltd. to the grant of a Patent Application No. 168110 (1116/DEL/86) has been allowed and the application for Patent is refused.

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by M/s Hindustan Lever Limited, Mumbai-400020 in respect of Patent No. 174514 (346/BOM/1991) as advertised in Port III, Section 2 of the Gazette of India on 27-7-1996 and no opposition being filed with the stipulated period, the same amendments have been allowed.

Notice is hereby given that INTERNATIONAL MOBILE MACHINES CORPORATION, have made an application on Form-29 under Section 57 of The Patents Act, 1970 for amendment of specification of their application for Patent No. 599/Del/89 (176604) for "An interpolator for varying the sampling rate of a digital signal". The amendments are by way of change of name and address from INTERNATIONAL MOBILE MACHINES CORPORATION, a corporation organised and existing under the laws of the State of Pennsylvania, of 100 North 20th Street, Philadelphia, Pennsylvania-19103, U.S.A. to INTERDIGITAL COMMUNICATIONS CORPORATION, A corporation of the State of Pennsylvania, located at 2200 Renaissance Boulevard. Suite 105, King of Prussia, Pennsylvania-1J496, U.S.A. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 461 to 405. 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-l10005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405. 3rd Floor, Municipal Market Building, Saraswati Mars, Karol Bach, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that MOBIL SOLAR ENERGY CORPORATION have made an application on form-29 Under Section 57 of The Patents Act, 1970 for amendment of specificationof their application for Patent No. 417/DEL/SO/f177271) for "APPARATUS AND METHOD FOR GROWING HOLLOW TUBULAR CRYSTALLINE BODIES" of name from MOBILE SOLAR EMERGY The amendments are by way of change CORPORATION TO ASE AMERICAS, INC, U.S.A.

The application for amendment and the proposed amendment can be inspected free of charge at the Patent Office Branch, Unit No. 401 1o 405. 3rd Floor, Municipal Market Building Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can he had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this, notification at Patent Office Branch. Unit No. 401 to 405. 3rd Floor, Muncipal Market Building Saraswati Marg Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 501/Del/87 (170754) of Continuous Concrete Castings PTY. Limited has been allowed 1o proceed in the name of Foundation Technology Limited, Australia.

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 601/Del/87 (173935)of Kevin ross Inkster & David John Lewis has been allowed to proceed in the name of Kevin Ross Inkster.

In pursuance of have granted under Section 20(1) of the Patents Act, 1970 application No. 601/Del/87 (173935) of Coventry City Council has been allowed to proceed in the name of Dan Meerritt a British citizen Coventry University formerly known as Coventry Polytechnic Higher Education Corporation, England.

In pursuance of leave granted under section 20(1) bf the Patents Act, 1970 application No. 877/Del/87 (174921) of William Touzani Dennison Manufacturing Company, has been allowed to proceed in the name of Collapsible Bottle of America, U.S.A.

In pursuance of leave granted under Section 20(1) of Patents Act, 1970 application No. 397/Del/89 (175176) of The Uniroyal Goodrich Tire Company, has been allowed to proceed in the name of UNIROYAL GOODRICH, LICENSING SERVICES Inc., U.S.A.

In pursuance of leave granted under Section 20(1) of the Patents Act, 1970 application No. 707/Del/89 (176153) of IMPERIAL CHEMICAL INDUSTRIES PLC has been allowed to proceed in the name of ZENECA LTD.. England.

In pursuance of leave granted under Section 20(1) of the Patents Act 1970 application No. 980/Del/89 of SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B V., has been allowed to proceed in the name of M0NTE1.L TECHNOLOGY COMPANY, B.V., The Netherlands.

RESTORATION PROCEEDINGS

Notice Is hereby given that an application for restoration of Patent No. 169249 dated the 3rd August, 1989 made by Dr. T. K. Goswami. N. K. Seth and Kwality Frozen Foods Pvt. Ltd. on the 16th May, 1996 and notified in the Gazette of India, Part III, Section 2 dated the 27th July 1996 hag been allowed and the said patent is restored.

RENEWAL FEES PAID

156336 159097 159401 159953 160118 160307 160626 160851 160854 160928 161304 161744 161945 162787 162830 163300 163944 164027 164329 164392 164400 164492 164711 164746 164789 164917 **165103** 165104 165302 165413 165541 166127 166423 166424 166410 167096 167093 167171 167400 168554 169017 169069 169085 169109 169217 169318 169343 169358 169521 169527 169870 169995 170034 170035 170058 170413 170522 170568 170569 170610 170785 170856 170865 170900 170923 171118 171161 171236 171685 172169 172619 172663 172930 172938 173346 173352 173354 173366 173384 173422 173510 173614 173646 173672 173692 173750 173802 174257 174332 174687 174737 174749 175072 175091 175092 175093 175095 175096 175098 175099 173101 175102 175105 175106 175108 175110 175161 175162 175163 175165 175166 175167 175168 175170 175539 175546 175659 176236 176237 176238 176240 176285 176293 176296 176300.

CESSATION OF PATENTS

172203 172215 172235 172247 172264 172170 172272 172319 172334 172344 172383 172384 172406 172420 172429 172442 172443 172449 172454 172459 172462 172467 172470 172472

1;1477 J72504 172506 172508 172614 172659 172708 172710 172727 172737 172745 172771 172773 172777 172788 172793 172796.

PATENT SEALED ON 17 01-97

176179* 176491 176509 176561 176564 176567* 176571 176572 176573* 176575 176579 176580 176585 176595* 116598 176609*.

CAL—11, DEL—05, MPM—NIL, CHEN—NIL

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date *at* sealing.

D—Drug Patents, F—Food Patents

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the dale of registration except as provided tot in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the rejustration included in the entries.

Class 1. No. 171023, Jupiter Motors, an Indian Partnership firm of 2734-B, Ram Lal, ,Chandhok Marg, Kashmere Gate, Delhi 110006. India, "AIR JACK", 3rd April 1996.

Class 1. No. 169726 Satake Corporation, a Japanese Corporation, of 4-7-2, Sotokanda, Chiyoda-ku, Tokyo, Japan. "VERTICAL TYPE GRAIN MILLING MACHINE", 22nd August 1995.

Class 1. No. 169585, Trans Freight Containers Limited, 72-73 Nariman Bhawan, Nariman Point, Bombay 400021, Maharashtra, India, "CONTAINER", 1st August 1995.

Class 1. No. 169625, Revlon Manufacturing Limited, C/o Conyers Dill & Pearman, a corporation organised and existing under the Laws of Bermuda, of Claredon House, No. *2* Chruch Street West, POB 666, Hamilton HM II, Bermuda, "GOLD LIPSTICK CASH", 4th August 1995.

Class 1. No, 170606, Mangesh Shrikant Gogate of D 448, Mahendra & Mahendra Colony, Shri Krishna Nagar. Borivli (E), Bombay 400066, India, Indian National, "CHURNER", 17th January 1996,

Class 1, No. 169088, Softel Machines (P) Ltd., Plot No. 69, Sector 1-A, Gandhidharn 370201, Gujarat, India, Indian Private Limited Company of above address, -ICE CREAM MAKER", 28(h April 1995.

Class 1. No. 170283, Bajaj Auto Ltd., Akurdi, Pune 411035, Maharashtra, India, Indian Company, "SCOOTER", 23rd November 1995,

Class 1, No. 170584, Henry James Fenroy Gerrand, of 32/7 Centre Rd., East Brighton 3187, Victoria, Australia, "LOW SPEED WHEEL"; 15th January 1996.

Class 1. No. 169746,. Societe des Bagages Henry Pierre Societe Anonymic francaise; 3 et 5 rue de la Houte-Borne, 95610, Eragny-Sur-Oise, France, a French Company, "PAPER RACK", 24th August 1995.

Class 1. No. 168329, Harish Chhabra, C/o Sri Ram & Sons, 7531/1, Tel Mill Marg, Ram Nagar, Paharganj, New Delhi 110055, India, an Indian national of the above address, "DOME OF FAN", 28th October 1994.

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